# SPARK GAP TIMES

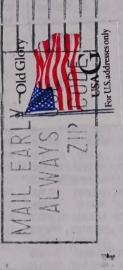
THE OLD OLD TIMERS CLUB, INC. 3191 Darvany Drive, Dallas, TX 75220-1611

APRIL 1995

Volume 32 No. 2







# FIRST CLASS MAIL

NO:2825 EXPD8/31/96 JAMES A MAXWELL W6CF PO BOX 473 REDWOOD ESTATES CA 95044-0473

NOOYH WOQIK WORAL NORB WORLS WORN WORSW WORTV WOSH NOSTR **SMOTRT** WOUCE WOUGP WOUHL WOUS WOVZK WS0W WOYCY KD0YZ KB0ZE WOZO

TOTAL 857

HQ HAS BAD ADDR FOR THOSE WITH BORDER AROUND CALL IF ANYONE CAN SUPPLY GOOD **ADDRESS** PLEASE WRITE HQ

WIABE	DL2DZL	K2VX	W3ZMN	W4NXE	AA5EI	WSUP	K6HWR	N6TKL	W7PJV	W8VLD
VEIACV	K2EEK	W2WCT	W4AET			WSURI	W6HZM	K6TLN	KB7QG	W8VZE
				W40MG			K6ICZ	WEIMY	K7QV	W8WNK
PYIAFA	W2EEQ	W2WSE	KB4AG		W5EU	W5USM				
WIALE	W2EFI	W2WSS	K4AHS	W40MH	W5EX1	DF5UT	N6IE	WEINB	KB7RFE	KD8WP
WIAM	W2EIQ	K2WW	W4AMJ	W4OMO	NY5F	WSUY	КН6ІНҮ	W6TRP	W7TG	NZ8X
DLIAN	W2ELB	AI2X	K4AN	KI40N	W5FKX	WSUZW	WEIRT	KI6UN	W7TW	W9ACU
WIAYI	AA2EN	KN2X	W4AUP	K40V	W5FOU	W5VBX	W6ISQ	WA6UOR		НВ9ВЈ
WIBGW	W2ENF	PP2ZDD	W4AWS	N4OZN	W5F0Z	W5VJW	Weist	WA6UTQ	DL7UXO	W9BOX
JP1BJR	W2ERJ	W3ABC	W4AXH	W4PBN	W5FYZ	KJ5VV	W6IZJ	W6UUC	VE7XE	W9DJJ
WIBVL	AA2FJ	K3AU	K4BAI	AA4PE	N5GOI	N5WIZ	AA6J	K6UYK	KF7XG	W9DTL
WICJK	N2FLR	W3AZD	AE4BB	W4PHL	W5GPJ	W5WRG	W6JBM	W6UZ	W7YU	K9EAT
WICTN	WA2FSR		W4BCI	W4PNM	KC5GU	KB5WZI	W6JDL	KB6V	WA7ZOO	HB9ER
NVID		VE3BAZ	KP4BJ		KA5HCX		N6JM	W6VIF	W8AHB	W9ET
WIDGN	WU2G	AA3BE	K4BPJ			WA5ZFQ	W6JOJ	DL6VL	KS8B	КВ9ЕТО
WIDMH	K2GBR	W3BRX	N4BQC	WA4QJE	W5IB	W5ZMI	W6JTA	WB6VPY		W9FHS
WIDOK	K2GCE	W3BKA W3BY	KB4BSO	K4QM	WSIII	W5ZPA	W6JU	K6VU	W8BDR	W9HOT
				-						DL9E
WIEED	W2GHV	W3CGZ	W4BW	ON4QN	K5INE	W5ZUT		W6WHM		
WIEFW	K2GYX			WA4QPX		W6ABR	W6KDJ	W6WIS	W8BIF	W9IH
WIEOF		VE3CNP		W4RA	W5IRP	W6ADO		W6WOW		KB9IKO
WAIEXG	W2HD	VE3CT	WC4D	K4RE	W5JGD	N6AF	W6KMC	N6WR	W8BQD	W9INP
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WIEZR	W2HX	W3DB	W4DH	WA4SLF	W5JNK	W6ATC	W6LD0	W6WXU	W8CC	W9IZO
WIFMU	W2HXG	W3DCR	WB4DJM	VK4SS	W5JNS	N6ATY	KD6LG	W6XM	W8CCN	W9JUV
WA1FYF	K2IC	W3DNF	W4DL	N4SU	W5JYK	K6AWC	W6LPJ	KN6XM	W8CJT	KF9JZ
WIGAY	W2ICE	VE3DSC	K4DRN	K4SV	KV5K	W6AWI	W6LXZ	W6XS	K8CSG	DL9KA
WIGJV	KD2IN	<b>WA3EXX</b>	W4DXB	W4SZ	W5KEB	K6BA	AA6LY	KU6Y	W8CU	W9MOL
WIGUP	WB2IRB	KE3EZ	K4EF	W4TG	W5KL	W6BDE	W6MCV	W6YAN		W9NN
WK1H	NJ2J	W3FFB	W4ER	WB4TJJ	AB5LF	W6BNB		WA6YEA		W9NZF
WIHRJ	N2JAV	W3FZV	KD4EZF		KB5LKG	AC6BO		W6YHM	K8DHN	W90UW
KCIHV	W2JBL	W3GEZ	N4FG	W4UIO	W5LKL	W6BOX	W6MI	W6YYV	N8DR	W9PPG
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-				KD4VBR						
WIJUI	K2KAD	W3GY			W5MD	K6BTO	K6MV	W6ZF	W8DX	W9QXR
WIKSC	KA2KFC		AB4FQ	K4VN	K5MMP	N6BUY	AH6NB	N6ZHW	W8EGI	W9REC
WILA	AE2L	W3HHC	K4FQJ	W4VS	K5MXO	W6CAR	W6NGK	W6ZNI	W8FAZ	
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JA1LKJ	W2LN	W3IJR	W4GOV	N4VZD	W5NYM	W6CF	W6NPN	KL7AF	W8GJX	OE9SLH
WILMS	SEZOE DA									
	W2LPA	W3IUW	K4GVG	W4WB	W50EV	AB6CF	W6NR	W7AFG	W8GR	HB9T
WILN	W2LPA W2LS	VK3JI	W4GXZ	W4WB W4WD	W50EV W50GZ	AB6CF K6CJ	W6NR W6NVN	W7AFG KL7AM	W8GR K8GRO	HB9T W9TAL
			W4GXZ					KL7AM	K8GRO	
WILN	W2LS	VK3JI	W4GXZ	W4WD	W50GZ W50V	K6CJ W6CK	W6NVN N6NWR	KL7AM W7AMM	K8GRO N8HOC	W9TAL WB9UAD
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WILN WILTS WILZW WIMB WIMGP DLINP VEIOC WIPB WIPCD WIPEX KIPOM WIPU WIRGH WISK	W2LS  I2LXA W2MJP N2MOY W2NBT W2ND DJ2NL W2NLJ W2NLJ W2OLQ W2OEQ WB2OFK W2OJW W2OZA NU2P	VK3JI KA3KUA W3KVS W3KW VK3LC W3LIR KA3LRE DL3ME W3MMJ W3NMK W3OKP W3OOJ WZ3P W3PN	W4GXZ K4HDV KJ4HQ K4HQH AB4HR W4HU K4HVI W4HVM W4HVW W4HYW W8HDO KD4IV W4IWV K4JI W4JMD	W4WD W4WKQ W4WLH W4WNY W4WUL NA4X KC4XA W4YE AC4YP W4YQN UA4ZA W4ZC W4ZCT WB4ZGR W4ZJV	W5OGZ W5OV W5OVH W5OVW W5OVV W5OXR W5OZY W5PD N5PEN W5PJX W5PJX W5PV KB5QFA DJ5QK W5QKR	K6CJ W6CK N6CX K6CX K06D K6DC W6DDB W6DIS W6DIX W6DQ W6DQU W6DQU W6DQU W6EBY W6EBY	W6NVN N6NWR NT60 WY60 K60JO W6ONK W6ORD W6OWP NF6P W6PA W6PHC K6PJF K6PO KN6PR W6PYV	KL7AM W7AMM SM7AST KL7AVX W7BBW W7BIF KG7BK W7BP W7BQG W7BYK W7CBA KC7DAA KL7DG DL7DH N7DUC	K8GRO N8HOC W8HQI W8IPT W8IXD KM8K W8KF WD8KFN W8KGD W8KLN W8KOX W8KW W8KWO W8MFP N8MOK	W9TAL WB9UAD WB9UAE W9UCT W9UEM W9VBJ W9YZE SV0AA AA0AE W0AWP W0BQ 'W0BWJ KF0E KF0FI W0FWW
WILN WILRM WILTS WILZW WIMB WIMGP DLINP VEIOC WIPB WIPCD WIPEX KIPOM WIPU WIRGH WISK WISOV	W2LS  I2LXA W2MJP N2MOY W2NBT W2ND DJ2NL W2NLJ KT20 KA2OAU W2OEQ WB2OFK W2OJW W2OZA NU2P N2PLE	VK3JI KA3KUA W3KVS W3KW VK3LC W3LIR KA3LRE DL3ME W3MMJ W3NMK W3OKP W3ONE W3OOJ WZ3P W3PN W3QBZ	W4GXZ K4HDV KJ4HQ K4HQH AB4HR W4HVI W4HVM W4HVW W84IDO KD4IV W4IWV K4JI- W4JMD K4JMH	W4WD W4WKQ W4WLH W4WNY W4WUL NA4X KC4XA W4YE AC4YP W4YQN UA4ZA W4ZC W4ZCT WB4ZGR W4ZJV KD4ZWG	W5OGZ W5OV W5OVH W5OVW W5OVV W5OXR W5OZY W5PD N5PEN W5PJX W5PJX W5PV KB5QFA DJ5QK W5QKR W5QPS W5QQ	K6CJ W6CK N6CX K6CX K06D K6DC W6DDB W6DIS W6DIX W6DQ W6DQO W6DUU WA6DWI W6EBY W6EBY W6EFB	W6NVN N6NWR NT6O WY6O K6OJO W6ONK W6ORD W6OWP NF6P W6PA W6PHC K6PJF K6PO KN6PR W6PYV	KL7AM W7AMM SM7AST KL7AVX W7BBW W7BIF KG7BK W7BP W7BQG W7BYK W7CBA KC7DAA KL7DG DL7DH N7DUC W7EH	K8GRO N8HOC W8HQI W8IPT W8IXD KM8K W8KF WD8KFN W8KGD W8KLN W8KOX W8KW W8KWO W8MFP N8MOK W8NCD	W9TAL WB9UAD WB9UAE W9UCT W9UEM W9VBJ W9YZE SVOAA AAOAE WOAWP W0BQ 'W0BWJ KF0E KF0FI
WILN WILRM WILTS WILZW WIMB WIMGP DLINP VEIOC WIPB WIPCD WIPEX KIPOM WIPU WIRGH WISK WISOV WISUJ	W2LS  I2LXA W2MJP N2MOY W2NBT W2ND DJ2NL W2NLJ KT20 KA2OAU W2OEQ WB2OFK W2OJW W2OZA NU2P N2PLE KC2PS	VK3JI KA3KUA W3KVS W3KW VK3LC W3LIR KA3LRE DL3ME W3MMJ W3NMK W3OKP W3OOJ WZ3P W3PN W3QBZ W3QER	W4GXZ K4HDV KJ4HQ K4HQH AB4HR W4HVI W4HVM AC4HW W84HYW WB4IDO KD4IV W4IWV K4JI- W4JMD K4JMH W4JNN	W4WD W4WKQ W4WLH W4WNY W4WUL NA4X KC4XA W4YE AC4YP W4YQN UA4ZA W4ZC W4ZCT WB4ZGR W4ZJV KD4ZWG DL5AAE	W5OGZ W5OV W5OVH W5OVW W5OVV W5OXR W5OZY W5PD N5PEN W5PJX W5PJX W5PV KB5QFA DJ5QK W5QKR W5QPS W5QQ W5QU	K6CJ W6CK N6CX K6CX K06D K6DC W6DDB W6DIS W6DIX W6DQ W6DQO W6DUU W6EBY W6EBY W6EBY W6EHM	W6NVN N6NWR NT60 WY60 K60JO W6ONK W6ORD W6OWP NF6P W6PA W6PHC K6PJF K6PO KN6PR W6PYV W6QEE K6QFZ	KL7AM W7AMM SM7AST KL7AVX W7BBW W7BIF KG7BK W7BP W7BQG W7BYK W7CBA KC7DAA KL7DG DL7DH N7DUC	K8GRO N8HOC W8HQI W8IPT W8IXD KM8K W8KF WD8KFN W8KGD W8KLN W8KOX W8KW W8KWO W8MFP N8MOK	W9TAL WB9UAD WB9UAE W9UCT W9UEM W9VBJ W9YZE SV0AA AA0AE W0AWP W0BQ 'W0BWJ KF0E KF0FI W0FWW
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WILN WILRM WILTS WILZW WIMB WIMGP DLINP VEIOC WIPB WIPCD WIPEX KIPOM WIPU WIRGH WISK WISOV WISUJ	W2LS  I2LXA W2MJP N2MOY W2NBT W2ND DJ2NL W2NLJ KT20 KA2OAU W2OEQ WB2OFK W2OJW W2OZA NU2P N2PLE KC2PS	VK3JI KA3KUA W3KVS W3KW VK3LC W3LIR KA3LRE DL3ME W3MMJ W3NMK W3OKP W3OOJ WZ3P W3PN W3QBZ W3QER	W4GXZ K4HDV KJ4HQ K4HQH AB4HR W4HVI W4HVM AC4HW W84HYW WB4IDO KD4IV W4IWV K4JI- W4JMD K4JMH W4JNN	W4WD W4WKQ W4WLH W4WNY W4WUL NA4X KC4XA W4YE AC4YP W4YQN UA4ZA W4ZC W4ZCT WB4ZGR W4ZJV KD4ZWG DL5AAE	W5OGZ W5OV W5OVH W5OVW W5OVV W5OXR W5OZY W5PD N5PEN W5PJX W5PJX W5PV KB5QFA DJ5QK W5QKR W5QPS W5QQ W5QU	K6CJ W6CK N6CX K6CX K06D K6DC W6DDB W6DIS W6DIX W6DQ W6DQO W6DUU W6EBY W6EBY W6EBY W6EHM	W6NVN N6NWR NT60 WY60 K60JO W6ONK W6ORD W6OWP NF6P W6PA W6PHC K6PJF K6PO KN6PR W6PYV W6QEE K6QFZ	KL7AM W7AMM SM7AST KL7AVX W7BBW W7BIF KG7BK W7BP W7BQG W7BYK W7CBA KC7DAA KL7DG DL7DH N7DUC W7EH K7EK	K8GRO N8HOC W8HQI W8IPT W8IXD KM8K W8KF WD8KFN W8KGD W8KLN W8KOX W8KOX W8KW W8KWO W8MFP N8MOK W8NCD W8NSH	W9TAL WB9UAD WB9UAE W9UCT W9UEM W9VBJ W9YZE SV0AA AA0AE W0AWP W0BQ 'W0BWJ KF0E KF0FI W0FWW W0FXY W0GFQ
WILN WILRM WILTS WILZW WIMB WIMGP DLINP VEIOC WIPB WIPCD WIPEX KIPOM WIPU WIRGH WISK WISOV WISUJ	W2LS  12LXA W2MJP N2MOY W2NBT W2ND DJ2NL W2NLJ KT20 KA2OAU W2OEQ WB2OFK W2OJW W2OZA NU2P N2PLE KC2PS W2QBR	VK3JI KA3KUA W3KVS W3KW VK3LC W3LIR KA3LRE DL3ME W3MMJ W3NMK W3OKP W3ONE W3OOJ WZ3P W3PN W3QBZ W3QER W3QPP	W4GXZ K4HDV KJ4HQ K4HQH AB4HR W4HVI W4HVM AC4HW W4HYW W84IDO KD4IV W4IWV K4JIF W4JMD K4JMH W4JNN K4JSG	W4WD W4WKQ W4WLH W4WNY W4WUL NA4X KC4XA W4YE AC4YP W4YQN UA4ZA W4ZC W4ZCI WB4ZGR W4ZJV KD4ZWG DL5AAE K5ABD	W5OGZ W5OV W5OVH W5OVM W5OVV W5OXR W5OZY W5PD N5PEN W5PJX W5PJX W5PV KB5QFA DJ5QK W5QKR W5QKR W5QKR W5QKS W5QKS	K6CJ W6CK N6CX K6CX K06D K6DC W6DDB W6DIS W6DIX W6DQ W6DQO W6DUU WA6DWE W6EBY W6EBY W6EHM W6ELH W6FA	W6NVN N6NWR NT6O WY6O K6OJO W6ONK W6ORD W6OWP NF6P W6PA W6PHC K6PJF K6PO KN6PR W6PYV W6QEE K6QFZ W6QHD	KL7AM W7AMM SM7AST KL7AVX W7BBW W7BIF KG7BK W7BP W7BQG W7BYK W7CBA KC7DAA KL7DG DL7DH N7DUC W7EH K7EK KD7EL	K8GRO N8HOC W8HQI W8IYD KM8K W8KF WD8KFN W8KGD W8KLN W8KOX W8KWO W8KWO W8MFP N8MOK W8NCD W8NSH K8NUJ	W9TAL WB9UAD WB9UAE W9UCT W9UEM W9VBJ W9YZE SVOAA AAOAE WOAWP W0BQ 'W0BWJ KFOE KFOFI W0FWW W0FXY W0GFQ AAOHN
WILN WILRM WILTS WILZW WIMB WIMGP DLINP VEIOC WIPB WIPCD WIPEX KIPOM WIPU WIRGH WISK WISOV WISUJ WITTY WIUQ	W2LS  12LXA W2MJP N2MOY W2NBT W2ND DJ2NL W2NLJ KT20 KA2OAU W2OEQ WB2OFK W2OJW W2OZA NU2P N2PLE KC2PS W2QBR W2QCV	VK3JI KA3KUA W3KVS W3KW VK3LC W3LIR KA3LRE DL3ME W3MMJ W3NMK W3OKP W3ONE W3OOJ WZ3P W3PN W3QBZ W3QBZ W3QPP DL3QV VK3QY	W4GXZ K4HDV KJ4HQ K4HQH AB4HR W4HU K4HVI W4HVM AC4HW W4HYW WB4IDO KD4IV W4IWV K4JI W4JMD K4JMH W4JNN K4JSG W4JT	W4WD W4WKQ W4WLH W4WNY W4WUL NA4X KC4XA W4YE AC4YP W4YQN UA4ZA W4ZCT W4ZCT W4ZCT W4ZCT W4ZCT W4ZCT W5AZGR W4ZJV KD4ZWG DL5AAE K5ABD N5AD	W5OGZ W5OV W5OVH W5OVH W5OVW W5OVX W5OXR W5OZY W5PD N5PEN W5PJX W5PV KB5QFA DJ5QK W5QKR W5QKR W5QKR W5QRS W5QQ W5QU W5QXM N5QZH	K6CJ W6CK N6CX K6CX K06D K6DC W6DDB W6DIS W6DIX W6DQ W6DQO W6DUU WA6DWF W6EBY W6EFB W6EHM W6FLH W6FA	W6NVN N6NWR NT6O WY6O K6OJO W6ONK W6ORD W6OWP NF6P W6PA W6PHC K6PJF K6PO KN6PR W6PYV W6QEE K6QFZ W6QHD	KL7AM W7AMM SM7AST KL7AVX W7BBW W7BIF KG7BK W7BP W7BQG W7BYK W7CBA KC7DAA KL7DG DL7DH N7DUC W7EH K7EK KD7EL W7EM	K8GRO N8HOC W8HQI W8IYD KM8K W8KF WD8KFN W8KGD W8KLN W8KOX W8KW W8KWO W8MFP N8MOK W8NCD W8NSH K8NUJ W8OK W8OVO	W9TAL WB9UAD WB9UAE W9UCT W9UEM W9VBJ W9YZE SV0AA AA0AE W0AWP W0BQ W0BWJ KF0E KF0FI W0FWW W0FXY W0GFQ AA0HN W0IKT
WILN WILRM WILTS WILZW WIMB WIMGP DLINP VEIOC WIPB WIPCD WIPEX KIPOM WIPU WIRGH WISK WISOV WISUJ WITTY WIUQ DLIYB	W2LS  I2LXA W2MJP N2MOY W2NBT W2ND DJ2NL W2NLJ KT2O KA2OAU W2OEQ WB2OFK W2OJW W2OZA NU2P N2PLE KC2PS W2QBR W2QCV KE2QM	VK3JI KA3KUA W3KVS W3KW VK3LC W3LIR KA3LRE DL3ME W3MMJ W3NMK W3OKP W3ONE W3OOJ WZ3P W3PN W3QBZ W3QBZ W3QPP DL3QV VK3QY	W4GXZ K4HDV KJ4HQ K4HQH AB4HR W4HU K4HVI W4HVM AC4HW W4HYW WB4IDO KD4IV W4IWV K4JI W4JMD K4JMH W4JMH W4JMH W4JNN K4JSG W4JT W4KB	W4WD W4WKQ W4WLH W4WNY W4WUL NA4X KC4XA W4YE AC4YP W4YQN UA4ZA W4ZC W4ZCT WB4ZGR W4ZJV KD4ZWG DL5AAE K5ABD N5AD W5AE	W5OGZ W5OV W5OVH W5OVH W5OVW W5OVV W5OXR W5OZY W5PD N5PEN W5PJX W5PV KB5QFA DJ5QK W5QKR W5QKR W5QPS W5QQ W5QU W5QXM N5QZH NG5R	K6CJ W6CK N6CX K6CX K6CX K6DC W6DDB W6DIS W6DIX W6DQ W6DQO W6DQO W6DUU WA6DWI W6EBY W6EFB W6EFB W6EFHM W6FALH W6FA W6FCD N6FIS	W6NVN N6NWR NT6O WY6O K6OJO W6ONK W6ORD W6OWP NF6P W6PA W6PHC K6PJF K6PO KN6PR W6PYV W6QEE K6QFZ W6QHD W6QHL W6QLO K6QS	KL7AM W7AMM SM7AST KL7AVX W7BBW W7BIF KG7BK W7BP W7BQG W7BYK W7CBA KC7DAA KL7DG DL7DH N7DUC W7EH K7EK KD7EL W7EM W7ER N7ESJ	K8GRO N8HOC W8HQI W8IPT W8IXD KM8K W8KF W98KFN W8KGD W8KLN W8KOX W8KW W8KWO W8MFP N8MOK W8NCD W8NSH K8NUJ W8OK W8OVO W8PH	W9TAL WB9UAD WB9UAE W9UCT W9UEM W9VBJ W9YZE SVOAA AAOAE WOAWP W0BQ 'W0BWJ KFOE KFOFI W0FWW W0FXY W0GFQ AAOHN W0IKT W0IWV W0IZV
WILN WILRM WILTS WILZW WIMB WIMGP DLINP VEIOC WIPB WIPCD WIPEX KIPOM WIPU WIRGH WISK WISOV WISUJ WITTY WIUQ DLIYB WIZOC DLIZQ	W2LS  I2LXA W2MJP N2MOY W2NBT W2ND DJ2NL W2NLJ KT2O KA2OAU W2OEQ WB2OFK W2OJW W2OZA NU2P N2PLE KC2PS W2QBR W2QCV KE2QM K2QPR W2QR	VK3JI KA3KUA W3KVS W3KW VK3LC W3LIR KA3LRE DL3ME W3MMJ W3NMK W3OKP W3OOJ WZ3P W3OOJ WZ3P W3PN W3QBZ W3QBZ W3QBZ W3QPP DL3QV VK3QY W3QYL W3RMF	W4GXZ K4HDV KJ4HQ K4HQH AB4HR W4HU K4HVI W4HVW W8HIDO KD4IV W4IWV K4JF W4JMD K4JMH W4JNN K4JSG W4JT W4KB W4KOG N4KVF	W4WD W4WKQ W4WLH W4WNY W4WUL NA4X KC4XA W4YE AC4YP W4YQN UA4ZA W4ZC W4ZCT WB4ZGR W4ZJV KD4ZWG DL5AAE K5ABD N5AD W5AE AB5AP W5APX	W5OGZ W5OV W5OVH W5OVH W5OVW W5OXR W5OZY W5PD N5PEN W5PJX W5PV KB5QFA DJ5QK W5QKR W5QKR W5QQ W5QU W5QVM N5QZH NG5R W5RB K5RB	K6CJ W6CK N6CX K6CX K06D K6DC W6DDB W6DIS W6DIX W6DQ W6DQO W6DUU WA6DWF W6EBY W6EBY W6EFB W6EHM W6FCLH W6FCD N6FIS W6FJT	W6NVN N6NWR NT60 WY60 K60JO W60NK W60RD W60WP NF6P W6PA W6PHC K6PJF K6PO KN6PR W6PYV W6QEE K6QFZ W6QHD W6QHL W6QLO K6QS K6QT	KL7AM W7AMM SM7AST KL7AVX W7BBW W7BIF KG7BK W7BPG W7BYK W7CBA KC7DAA KL7DG DL7DH N7DUC W7EH K7EK KD7EL W7EM W7ER N7ESJ W7FTX	K8GRO N8HOC W8HQI W8IPT W8IXD KM8K W8KF WD8KFN W8KGD W8KLN W8KOX W8KW W8KWO W8MFP N8MOK W8NCD W8NSH K8NUJ W8OK W8OVO W8PH N8PRB	W9TAL WB9UAD WB9UAE W9UCT W9UEM W9VBJ W9YZE SVOAA AAOAE WOAWP W0BQ 'W0BWJ KFOE KFOFI WOFWW W0FXY W0GFQ AAOHN W0IKT W0IWV W0IZV PAOJAL
WILN WILRM WILTS WILZW WIMB WIMGP DLINP VEIOC WIPB WIPCD WIPEX KIPOM WIPU WIRGH WISK WISOV WISUJ WITTY WIUQ DLIYB WIZOC DLIZQ WD2ADT	W2LS  I2LXA W2MJP N2MOY W2NBT W2ND DJ2NL W2NLJ KT2O KA2OAU W2OEQ WB2OFK W2OJW W2OZA NU2P N2PLE KC2PS W2QBR W2QCV KE2QM K2QPR W2QR DJ2QX	VK3JI KA3KUA W3KVS W3KW VK3LC W3LIR KA3LRE DL3ME W3MMJ W3NMK W3OKP W3OOJ WZ3P W3OOJ WZ3P W3PN W3QBZ W3QPP DL3QV VK3QY W3QYL W3RMF W3RMF	W4GXZ K4HDV KJ4HQ K4HQH AB4HR W4HU K4HVI W4HVM AC4HW W4HYW WB4IDO KD4IV W4IWV K4JI- W4JMH W4JMH W4JMH W4JNN K4JSG W4KOG N4KVF K4LFH	W4WD W4WKQ W4WLH W4WNY W4WUL NA4X KC4XA W4YE AC4YP W4YQN UA4ZA W4ZC W4ZCT WB4ZGR W4ZJV KD4ZWG DL5AAE K5ABD N5AD N5AD W5AE AB5AP W5APX	W5OGZ W5OV W5OVH W5OVH W5OVW W5OXR W5OZY W5PD N5PEN W5PJX W5PV KB5QFA DJ5QK W5QKR W5QPS W5QQ W5QU W5QXM N5QZH NG5R W5RB K5RB W5RB	K6CJ W6CK N6CX K6CX K6CX K6DC W6DDB W6DIS W6DIS W6DQ W6DQO W6DQO W6DQO W6DQO W6DQO W6EBY W6EBY W6EBY W6EBH W6ELH W6FA W6FCD N6FIS W6FJT W6FMK K6FO	W6NVN N6NWR NT60 WY60 K60JO W60NK W6ORD W6OWP NF6P W6PA W6PHC K6PJF K6PO KN6PR W6PYV W6QEE K6QFZ W6QHD W6QHL W6QLO K6QS K6QT DL6QZ	KL7AM W7AMM SM7AST KL7AVX W7BBW W7BIF KG7BK W7BPG W7BYK W7CBA KC7DAA KL7DG DL7DH N7DUC W7EH K7EK KD7EL W7EM W7ER N7ESJ W7FTX W7GB	K8GRO N8HOC W8HQI W8IPT W8IXD KM8K W8KF WD8KFN W8KGD W8KLN W8KOX W8KW W8KWO W8MFP N8MOK W8NCD W8NSH K8NUJ W8OK W8OVO W8PH N8PRB W8QG	W9TAL WB9UAD WB9UAE W9UCT W9UEM W9VBJ W9YZE SVOAA AAOAE WOAWP WOBQ 'WOBWJ KFOE KFOFI WOFWW WOFXY WOGFQ AAOHN WOIKT WOIWV WOIZV PAOJAL WOJS
WILN WILRM WILTS WILZW WIMB WIMGP DLINP VEIOC WIPB WIPCD WIPEX KIPOM WIPU WIRGH WISK WISOV WISUJ WITTY WIUQ DLIYB WIZOC DLIZQ WD2ADT WD2AHT	W2LS  I2LXA W2MJP N2MOY W2NBT W2ND DJ2NL W2NLJ KT2O KA2OAU W2OEQ WB2OFK W2OJW W2OZA NU2P N2PLE KC2PS W2QBR W2QCV KE2QM K2QPR W2QR DJ2QX W2RFY	VK3JI KA3KUA W3KVS W3KW VK3LC W3LIR KA3LRE DL3ME W3MMJ W3NMK W3OKP W3OOJ WZ3P W3OOJ WZ3P W3QPR W3QPR W3QPP DL3QV VK3QY W3QYL W3RMF W3RMG W3TFA	W4GXZ K4HDV KJ4HQ K4HQH AB4HR W4HVI W4HVM AC4HW W4HYW WB4IDO KD4IV W4IWV K4JI- W4JMD K4JMH W4JNN K4JSG W4JT W4KB W4KOG N4KVF K4LFH	W4WD W4WKQ W4WLH W4WNY W4WUL NA4X KC4XA W4YE AC4YP W4YQN UA4ZA W4ZC W4ZCI WB4ZGR W4ZJV KD4ZWG DL5AAE K5ABD N5AD W5AE AB5AP W5APX W5AYL	W5OGZ W5OV W5OVH W5OVH W5OVV W5OXR W5OZY W5PD N5PEN W5PJX W5PV KB5QFA DJ5QK W5QKR W5QPS W5QQ W5QU W5QU W5QU M5QZH NG5R W5RB K5RB W5RFM WB5RLS	K6CJ W6CK N6CX K6CX K06D K6DC W6DDB W6DIS W6DIS W6DQ W6DQO W6DQO W6DQO W6DQO W6EBY W6EBY W6EBY W6EFB W6EHM W6FA W6FCD N6FIS W6FJT W6FMK K6FO W6FU	W6NVN N6NWR NT60 WY60 K60JO W60NK W6ORD W6OWP NF6P W6PA W6PHC K6PJF K6PO KN6PR W6PYV W6QEE K6QFZ W6QHD W6QHD W6QHL W6QLO K6QS K6QT DL6QZ DL6RG	KL7AM W7AMM SM7AST KL7AVX W7BBW W7BIF KG7BK W7BP W7BPG W7BYK W7CBA KC7DAA KL7DG DL7DH N7DUC W7EH K7EK KD7EL W7EM W7ESJ W7FTX W7GB DL7GB	K8GRO N8HOC W8HQI W8IPT W8IXD KM8K W8KF WD8KFN W8KGD W8KLN W8KOX W8KW W8KWO W8MFP N8MOK W8NCD W8NSH K8NUJ W8OK W8OK W8OVO W8PH N8PRB W8QG W8QOI	W9TAL WB9UAD WB9UAE W9UCT W9UEM W9VBJ W9YZE SVOAA AAOAE WOBWJ KFOE KFOFI WOFWW WOFXY WOGFQ AAOHN WOIKT WOIWV WOIZV PAOJAL WOJS KEOKI
WILN WILRM WILTS WILZW WIMB WIMGP DLINP VEIOC WIPB WIPCD WIPEX KIPOM WIPU WIRGH WISK WISOV WISUJ WITTY WIUQ DLIYB WIZOC DLIZQ WD2ADT WD2AHT W2AMS	W2LS  I2LXA W2MJP N2MOY W2NBT W2ND DJ2NL W2NLJ KT20 KA2OAU W2OEQ WB2OFK W2OJW W2OZA NU2P N2PLE KC2PS W2QBR W2QCV KE2QM K2QPR W2QR DJ2QX W2RFY WA2RGU	VK3JI KA3KUA W3KVS W3KW VK3LC W3LIR KA3LRE DL3ME W3MMJ W3NMK W3OKP W3OOJ WZ3P W3OOJ WZ3P W3PN W3QBZ W3QPP DL3QV VK3QY W3QYL W3RMF W3RMQ W3TFA W3TI	W4GXZ K4HDV KJ4HQ K4HQH AB4HR W4HU K4HVI W4HVM AC4HW W4HYW W84IDO KD4IV W4IWV K4JIF W4JNN K4JSG W4JT W4KB W4KOG N4KVF K4LFH W4LHP	W4WD W4WKQ W4WLH W4WNY W4WUL NA4X KC4XA W4YE AC4YP W4YQN UA4ZA W4ZC W4ZCT WB4ZGR W4ZJV KD4ZWG DL5AAE K5ABD N5AD W5AE AB5AP W5APX W5APX W5AYL N5BAK	W5OGZ W5OV W5OVH W5OVH W5OVH W5OVV W5OXR W5OZY W5PD N5PEN W5PJX W5PJX W5PV KB5QFA DJ5QK W5QKR W5 W5 W5 W5 W5 W5 W5 W5 W5 W5 W5 W5 W5	K6CJ W6CK N6CX K6CX K06D K6DC W6DDB W6DIS W6DIX W6DQ W6DQO W6DUU W6EBY W6EBY W6EBY W6EHM W6FA W6FCD N6FIS W6FJT W6FN K6FO W6FU W6FO	W6NVN N6NWR NT60 WY60 K60JO W60NK W6ORD W6OWP NF6P W6PA W6PHC K6PJF K6PO KN6PR W6PYV W6QEE K6QFZ W6QHD W6QHD W6QHL W6QLO K6QS K6QT DL6QZ DL6RG W6RHM	KL7AM W7AMM SM7AST KL7AVX W7BBW W7BIF KG7BK W7BP W7BPG W7BYK W7CBA KC7DAA KL7DG DL7DH N7DUC W7EH K7EK KD7EL W7EM W7EM W7ER N7ESJ W7FTX W7GB DL7GB W7GEY	K8GRO N8HOC W8HQI W8IPT W8IXD KM8K W8KF WD8KFN W8KGD W8KLN W8KOX W8KW W8KWO W8MFP N8MOK W8NCD W8NSH K8NUJ W8OK W8OK W8OVO W8PH N8PRB W8QG W8QOI W8QON	W9TAL WB9UAD WB9UAE W9UCT W9UEM W9VBJ W9YZE SVOAA AAOAE WOBWJ KFOE KFOFI WOFWW WOFXY WOGFQ AAOHN WOIKT WOIWV WOIZV PAOJAL WOJS KEOKI WOKWS
WILN WILRM WILTS WILZW WIMB WIMGP DLINP VEIOC WIPB WIPCD WIPEX KIPOM WIPU WIRGH WISK WISOV WISUJ WITTY WIUQ DLIYB WIZOC DLIZQ WD2ADT WD2AHT W2AMS W2ATQ	W2LS  12LXA W2MJP N2MOY W2NBT W2ND DJ2NL W2NLJ KT20 KA2OAU W2OEQ WB2OFK W2OJW W2OZA NU2P N2PLE KC2PS W2QBR W2QCV KE2QM K2QPR W2QR DJ2QX W2RFY WA2RGU W2RHS	VK3JI KA3KUA W3KVS W3KW VK3LC W3LIR KA3LRE DL3ME W3MMJ W3NMK W3OKP W3OOJ WZ3P W3OP W3PN W3QBZ W3QER W3QPP DL3QV VK3QYL W3RMF W3RMF W3RMQ W3TFA W3TI W3TPW	W4GXZ K4HDV KJ4HQ K4HQH AB4HR W4HU K4HVI W4HVM AC4HW W4HYW W84IDO KD4IV W4IWV K4JIF W4JNN K4JSG W4JT W4KB W4KOG N4KVF K4LFH W4LIF K4LMB	W4WD W4WKQ W4WLH W4WNY W4WUL NA4X KC4XA W4YE AC4YP W4YQN UA4ZA W4ZC W4ZCT WB4ZGR W4ZJV KD4ZWG DL5AAE K5ABD N5AD W5AE AB5AP W5APX W5APX W5APX W5AYL N5BAK	W5OGZ W5OV W5OVH W5OVH W5OVH W5OVV W5OXR W5OZY W5PD N5PEN W5PJX W5PJX W5PV KB5QFA DJ5QK W5QKR W5RB K5RB W5RFM W5 W5 W5 W5 W5 W5 W5 W5 W5 W5 W5 W5 W5	K6CJ W6CK N6CX K6CX K6CD K6DC W6DDB W6DIS W6DIX W6DQ W6DQO W6DUU WA6DWE W6EBY W6EBY W6EBY W6FA W6FCD N6FIS W6FJT W6FMK K6FO W6FU W6GED W6GG	W6NVN N6NWR NT60 WY60 K60JO W6ONK W6ORD W6OWP NF6P W6PA W6PHC K6PJF K6PO KN6PR W6PYV W6QEE K6QFZ W6QHD W6QHL W6QLO K6QS K6QT DL6QZ DL6RG W6RHM N6RSV	KL7AM W7AMM SM7AST KL7AVX W7BBW W7BIF KG7BK W7BP W7BQG W7BYK W7CBA KC7DAA KL7DG DL7DH N7DUC W7EH K7EK KD7EL W7EM W7ER N7ESJ W7FTX W7GB DL7GB W7GEY N7GMK	K8GRO N8HOC W8HQI W8IYD KM8K W8KSF WD8KFN W8KGD W8KLN W8KOX W8KWO W8MFP N8MOK W8NCD W8NSH K8NUJ W8OK W8OVO W8PH N8PRB W8QG W8QOI W8QON W8ROV	W9TAL WB9UAD WB9UAE W9UCT W9UEM W9VBJ W9YZE SVOAA AAOAE WOAWP WOBQ WOBWJ KFOE KFOFI WOFWW WOFXY WOGFQ AAOHN WOIKT WOIWV WOIZV PAOJAL WOJS KEOKI WOKWS NOLAG
WILN WILRM WILTS WILZW WIMB WIMGP DLINP VEIOC WIPB WIPCD WIPEX KIPOM WIPU WIRGH WISK WISOV WISUJ WITTY WIUQ DLIYB WIZOC DLIZQ WD2ADT WD2AHT W2AMS W2ATQ W2AUF	W2LS  12LXA W2MJP N2MOY W2NBT W2ND DJ2NL W2NLJ KT20 KA2OAU W2OEQ WB2OFK W2OJW W2OZA NU2P N2PLE KC2PS W2QBR W2QCV KE2QM K2QPR W2QR DJ2QX W2RFY WA2RGU W2RHS VE2RO	VK3JI KA3KUA W3KVS W3KW VK3LC W3LIR KA3LRE DL3ME W3MMJ W3NMK W3OKP W3ONE W3OOJ WZ3P W3PN W3QBZ W3QPR DL3QV VK3QY W3QYL W3RMF W3RMG W3TFA W3TPW W13U	W4GXZ K4HDV KJ4HQ K4HQH AB4HR W4HU K4HVI W4HVW W4HYW W84IDO KD4IV W4IWV K4JI W4JNN K4JSG W4JT W4KB W4KOG N4KVF K4LFH W4LIF K4LMB W4MLQ	W4WD W4WKQ W4WLH W4WNY W4WUL NA4X KC4XA W4YE AC4YP W4YQN UA4ZA W4ZC W4ZCI WB4ZGR W4ZJV KD4ZWG DL5AAE K5ABD N5AD W5AE AB5AP W5APX W5ARV W5ARV W5AYL N5BAK GM5BDO KF5BL	W5OGZ W5OV W5OVH W5OVH W5OVH W5OVV W5OXR W5OZY W5PD N5PEN W5PJX W5PV KB5QFA DJ5QK W5QKR W5QKR W5QKR W5QKR W5QKR W5QXM N5QZH NG5R W5RB K5RB W5RB K5RB W5RFM WB5RLS W5RYV N5RYZ	K6CJ W6CK N6CX K6CX K6CX K6CD K6DC W6DDB W6DIS W6DIX W6DQ W6DQO W6DUU WA6DWF W6EBY W6EBY W6EFB W6EHM W6FA W6FCD N6FIS W6FJT W6FMK K6FO W6FU W6GED W6GG KH6GI	W6NVN N6NWR NT60 WY60 K60JO W60NK W6ORD W6OWP NF6P W6PA W6PHC K6PJF K6PO KN6PR W6PYV W6QEE K6QFZ W6QHD W6QHL W6QLO K6QS K6QT DL6QZ DL6RG W6RHM N6RSV W6SMD	KL7AM W7AMM SM7AST KL7AVX W7BBW W7BIF KG7BK W7BP W7BQG W7BYK W7CBA KC7DAA KL7DG DL7DH N7DUC W7EH K7EK KD7EL W7EM W7ER N7ESJ W7FTX W7GB DL7GB W7GEY N7GMK N7HID	K8GRO N8HOC W8HQI W8IYI W8IXD KM8K W8KSF WD8KFN W8KGD W8KLN W8KOX W8KW W8KWO W8MFP N8MOK W8NSH K8NUJ W8OK W8OVO W8PH N8PRB W8QG W8QOI W8QON W8ROV W8SEL	W9TAL WB9UAD WB9UAE W9UCT W9UEM W9VBJ W9YZE SVOAA AAOAE WOAWP WOBQ WOBWJ KFOE KFOFI WOFWW WOFXY WOGFQ AAOHN WOIKT WOIWV PAOJAL WOJS KEOKI WOKWS NOLAG WOLDF
WILN WILRM WILTS WILZW WIMB WIMGP DLINP VEIOC WIPB WIPCD WIPEX KIPOM WIPU WIRGH WISU WITTY WIUQ DLIYB WIZOC DLIZQ WD2ADT WD2AHT W2AMS W2ATQ W2AUF W2BCH	W2LS  12LXA W2MJP N2MOY W2NBT W2ND DJ2NL W2NLJ KT20 KA2OAU W2OEQ WB2OFK W2OJW W2OZA NU2P N2PLE KC2PS W2QBR W2QCV KE2QM K2QPR W2QR DJ2QX W2RFY WA2RGU W2RHS VE2RO K2SWZ	VK3JI KA3KUA W3KVS W3KW VK3LC W3LIR KA3LRE DL3ME W3MMJ W3NMK W3OKP W3ONE W3OOJ WZ3P W3PN W3QBZ W3QBZ W3QPP DL3QV VK3QY W3QYL W3RMF W3RMQ W3TFA W3TI W3TPW W13U W3UHV	W4GXZ K4HDV KJ4HQ K4HQH AB4HR W4HU K4HVI W4HVW W4HYW W84IDO KD4IV W4IWV K4JI W4JMD K4JMH W4JNN K4JSG W4JT W4KB W4KOG N4KVF K4LFH W4LLF K4LMB W4MLQ N4MM	W4WD W4WKQ W4WLH W4WNY W4WUL NA4X KC4XA W4YE AC4YP W4YQN UA4ZA W4ZC W4ZCI WB4ZGR W4ZJV KD4ZWG DL5AAE K5ABD N5AD W5AE AB5AP W5APX W5ARV W5ARV W5ARV N5BAK GM5BDO KF5BL PY5BLG	W5OGZ W5OV W5OVH W5OVH W5OVH W5OVV W5OXR W5OZY W5PD N5PEN W5PJX W5PV KB5QFA DJ5QK W5QKR W5QKR W5QKR W5QKR W5QKR W5QL W5QXM N5QZH NG5R W5RB K5RB W5RB K5RB W5RFM WB5RLS W5RYV N5RYZ W5SIW	K6CJ W6CK N6CX K6CX K6CX K6DC W6DDB W6DIS W6DIX W6DQ W6DQO W6DUU WA6DWF W6EBY W6EBY W6EFB W6EHM W6FA W6FCD N6FIS W6FJT W6FMK K6FO W6FU W6GGG KH6GJC	W6NVN N6NWR NT60 WY60 K60JO W60NK W6ORD W6OWP NF6P W6PA W6PHC K6PJF K6PO KN6PR W6PYV W6QEE K6QFZ W6QHD W6QHL W6QLO K6QS K6QT DL6QZ DL6RG W6RHM N6RSV W6SMD W6SQZ	KL7AM W7AMM SM7AST KL7AVX W7BBW W7BIF KG7BK W7BP W7BQG W7BYK W7CBA KC7DAA KL7DG DL7DH N7DUC W7EH K7EK KD7EL W7EM W7ER N7ESJ W7FTX W7GB DL7GB W7GEY N7GMK N7HID W7ITG	K8GRO N8HOC W8HQI W8IYI W8IXD KM8K W8KSF WD8KFN W8KGD W8KLN W8KOX W8KW W8KWO W8MFP N8MOK W8NCD W8NSH K8NUJ W8OK W8OVO W8PH N8PRB W8QG W8QOI W8QON W8ROV W8SEL W8SFA	W9TAL WB9UAD WB9UAE W9UEM W9VBJ W9YZE SVOAA AAOAE WOAWP WOBQ WOBWJ KFOE KFOFI WOFWW WOFXY WOGFQ AAOHN WOIKT WOIWV PAOJAL WOJS KEOKI WOKWS NOLAG WOLDF
WILN WILRM WILTS WILZW WIMB WIMGP DLINP VEIOC WIPB WIPCD WIPEX KIPOM WIPU WIRGH WISK WISOV WISUJ WITTY WIUQ DLIYB WIZOC DLIZQ WD2ADT WD2AHT W2AMS W2AUF W2BCH K2BHV	W2LS  I2LXA W2MJP N2MOY W2NBT W2ND DJ2NL W2NLJ KT2O KA2OAU W2OEQ WB2OFK W2OJW W2OZA NU2P N2PLE KC2PS W2QBR W2QCV KE2QM K2QPR W2QR DJ2QX W2RFY WA2RGU W2RHS VE2RO K2SWZ W2TLC	VK3JI KA3KUA W3KVS W3KW VK3LC W3LIR KA3LRE DL3ME W3MMJ W3NMK W3OKP W3OOJ WZ3P W3PN W3QBZ W3QPP DL3QV VK3QY W3QYL W3RMF W3RMG W3TFA W3TI W3TPW W13U W3UHV VE3VTC	W4GXZ K4HDV KJ4HQ K4HQH AB4HR W4HU K4HVI W4HVM AC4HW W4HYW WB4IDO KD4IV W4IWV K4JI W4JMD K4JMH W4JMN K4JSG W4JT W4KB W4KOG N4KVF K4LFH W4LHP W4LHP W4LIF K4LIB W4MLQ N4MM KP4MO	W4WD W4WKQ W4WLH W4WNY W4WUL NA4X KC4XA W4YE AC4YP W4YQN UA4ZA W4ZC W4ZCT WB4ZGR W4ZJV W5AZGR W5ABD N5AD W5AE AB5AP W5APX W5ARV W5ARV W5ARL N5BAK GM5BDO KF5BL PY5BLG K5BLV	W5OGZ W5OV W5OVH W5OVH W5OVW W5OVV W5OVX W5OZY W5PD N5PEN W5PJX W5PV KB5QFA DJ5QK W5QKR W5QKR W5QKR W5QQ W5QU W5QXM N5QZH NG5R W5RB K5RB W5RB K5RB W5RFM WB5RLS W5RQH W5RYV N5RYZ W5SIW W5TEH	K6CJ W6CK N6CX K6CX K6CX K6DC W6DDB W6DIS W6DIS W6DIX W6DQ W6DQO W6DUU WA6DWF W6EBY W6EBY W6EFB W6EHM W6FA W6FCD N6FIS W6FJT W6FMK K6FO W6FU W6GG KH6GJC W6GVX	W6NVN N6NWR NT6O WY6O K6OJO W6ONK W6ORD W6OWP NF6P W6PA W6PHC K6PJF K6PO KN6PR W6PYV W6QEE K6QFZ W6QHD W6QHL W6QLO K6QS K6QT DL6QZ DL6QZ DL6QZ DL6RG W6RHM N6RSV W6SMD W6SQZ K6SS	KL7AM W7AMM SM7AST KL7AVX W7BBW W7BIF KG7BK W7BP W7BQG W7BYK W7CBA KC7DAA KL7DG DL7DH N7DUC W7EH K7EK KD7EL W7EM W7ER N7ESJ W7FTX W7GB DL7GB W7GBY N7GBY N7GBY N7GBY N7GBY N7GBY N7GBY N7GBY N7HID W7ITG W7IV	K8GRO N8HOC W8HQI W8IPT W8IXD KM8K W8KF W5KFN W8KGD W8KLN W8KOX W8KW W8KWO W8MFP N8MOK W8NCD W8NCD W8NSH K8NUJ W8OK W8OVO W8PH N8PRB W8QG W8QOI W8QOI W8QON W8ROV W8SEL W8SFA	W9TAL WB9UAD WB9UAE W9UEM W9VBJ W9YZE SVOAA AAOAE WOAWP WOBQ 'WOBWJ KFOE KFOFI WOFWW WOFXY WOGFQ AAOHN WOIKT WOIWV WOIZV PAOJAL WOJS KEOKI WOKWS NOLAG WOLAG WOLK
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### OOTC

Founded, 1947



# SPARK GAP TIMES

JOURNAL OF THE OLD OLD TIMER'S CLUB

VOLUME 32. No. 2 APRIL, 1995

Page 3

PRESIDENT EMERITUS
RAYMOND E. MEYERS, W6MLZ

SECRETARY EMERITUS
L. F. "TED" HEITHECKER, W5EJ

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REGISTERED AGENT ROBERT WARREN, K1POM

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Spark Gap Times (SGT) is the official publication of the Old Old Timer's Club. It is compiled and edited by Bert Wells, W5JNK. Printed and mailed at Dallas, Texas. Spark Gap Times is published four times annually. Annual subscription rate is \$10. Member dues include subscription and is delivered via First Class mail to U. S. and by Airmail to International Members. Address membership correspondence to OOTC, 3191 Darvany Dr. Dallas, TX 75220-1611. Permission to reproduce is granted, credit OOTC and authors where identified.

24 MEMBERS HAVE JOINED OOTC BETWEEN JAN. 1 & MAR. 15, 1995

24 MEMBERS HAVE JOINED OOTC BETWEEN JAN. 1 & MAR. 15, 1995							
NEW MEMBER	CALL	#	SPONSORED BY:				
Franklin B. "Frank" Thomas, Jr.	W4QDM	#3326	Robert Bookwalter, W4NWF				
Robert Mustafa "Bob" Salem	W8VLD	#3327	Bert Wells, W5JNK				
Russell W. "Russ" Young, Jr.	WA2VQV	#3328	Bert Wells, W5JNK				
Paul D. Lieb	КН6НМЕ	#3329	Ruth Chance White, K5YL				
Clarice L. Goodman	W7FTX	#3330	Ralph Cabanillas, Jr., W6IL				
Sherwood M. "Woody" Kidder	W1D0K	#3331	Bert Wells, W5JNK				
Roy R. Scherman	W9FHS	#3332	W. A. Owen, W4VS				
Gary Liljegren	W0SH	#3333	Bob McDow, W4KOG				
Armon I. Cravens	W6JDL	#3334	Bert Wells, W5JNK				
W. S. "Chappy" Chapman	W6VIF	#3335	Ken Johnson, W6NKE				
Dwight W. "Bill" Smith	W5USM	#3336	Leland Smith, W5KL				
Joseph A. "Joe" Perratto	K2QPR	#3337	Leland Smith, W5KL				
Donald B. "Don" Search	W3AZD	#3338	Leland Smith, W5KL				
Croft B. Taylor	VE3CT	#3339	Leland Smith, W5KL				
C. E. "Cliff" Seale	K4HQH	#3340	Robert Bookwalter, W4NWF				
Arthur B. "Art" Rauch	W4VZ	#3341	Leland Smith, W5KL				
Heinz Liebe	DJ2QX	#3342	Gerhard Hoffman, DL7PH				
Lawrence H. "Larry" Sanderson	KD0YZ	#3343	Bert Wells, W5JNK				
Conrad Clark	W3ZMN	#3344	Francis Walton, W9ACU				
Walter "Alligator Man" Bastow	N4KUF	#3345	Bert Wells, W5JNK				
John T. Laney, III	K4BAI	#3346	Bert Wells, W5JNK				
Arnold H. "Arnie" Hills	W6QEE	#3347	F. A. Bartlett, W60WP				
Norman E. "Norm" Friedman	W6ORD	#3348	Leland Smith, W5KL				
C. B. "CB" Shahan	W2ELB	#3349	Bert Wells, W5JNK				

IT IS A PLEASURE TO WELCOME YOU TO THE OLD, OLD TIMERS CLUB! YOU BACKGROUND INFORMATION WILL BE PUBLISHED IN A FUTURE ISSUE OF SPARK GAP TIMES. PUBLICATION IS IN MEMBER NUMBER ORDER.

# THE BOARD OF DIRECTORS HAS UNANIMOUSLY APPROVED THESE BYLAWS CHANGES

ARTICLE II, Fees and Dues, Section 4. Delete the word "membership" at the end of second sentence and substitute "dues".

ARTICLE III, Officers & Directors, add new Section 4, "The OOTC President may from time to time appoint with approval of the OOTC Board highly motivated and dedicated OOTC members as International Directors. These appointments shall be honorary, advisory in nature, without voting rights on the Board of Directors." The deleted section 4 would be reinstated as Section 5, and the present Section 5 renumbered as Section 6.

### OOTC MEMBERSHIP SUPPLIES AVAILABLE FOR PURCHASE

OOTC JACKET PATCH - \$5.00

(All prices include postage)

OOTC MEMBERSHIP STAMPS (108) - \$2.50

OOTC PIN (STANDARD NO YEAR, 50 YEAR, 60 YEAR) - \$3.50

OOTC STICKER, 3" ROUND (DURABLE, FOR OUTSIDE USE) - \$1.00

OOTC PERSONALIZED STATIONERY & LABELS, WITH LOGO (30 EACH) - \$3.00

(Show how you want name printed, ZIP+4 & phone number if you want it printed.)

### A MESSAGE FROM

### LELAND SMITH, W5KL, OOTC PRESIDENT

The more I listen in on nets on our frequencies, the more convinced I am that they provide an easy and effective way of maintaining interest and relationships between members of Amateur Radio organizations. We OOTC members have things in common that our younger Amateurs may never know - the thrill of communicating by radio with home constructed equipment. We OOTC members have earned a maturity not only in age but in experience in radio that can be acquired in no other way. Many of us have raised families and many of us have had successful careers. Others have been less fortunate and have suffered illnesses and tragedies in life.

Notwithstanding the many differences in our lives, we have something no other group has - our continuing hobby of Amateur Radio and the opportunities it provides for maintaining contact with our friends, sharing our thoughts and experiences, and preserving the traditions of Amateur Radio.

On the air nets provide free publicity for OOTC. Not only do others learn about OOTC but those elibible for OOTC membership may break in and ask how they can become members.

The list of nets in SGT needs to be expanded to cover all geographic areas where we have members. May I urge you to begin checking into one of our present nets, or start a new one in your area? Remember also in your contacts on the air, if you are talking to someone who may be eligible for OOTC membership, tell him about OOTC and offer to send him a copy of the application form appearing on the back of each SGT.

73,

PRESIDENT W 5 K 2.

### A REQUEST FROM THE SECRETARY

As time passes, members of the Board as well as regular OOTC members may want to contact OOTC headquarters via FAX or bulletin board. I would like to hear comments from the members and the board of directors. If enough interest, we will go ahead with a dedicated phone line at HQ.

Duncan Kreamer, W1GAY, Director 1st District, reported that he suffered a mild stroke on 21 November 1994 and is about 95% OK now. He is thankful to be in better shape than most after a stroke. He was DX at VP2EDK until Nov. 14th and felt lucky the episode happened when he was home.

If you can afford to go first class, and don't, your Heirs will. Be well, do good work, and stay in touch. -courtesy "Adventurer's Club News" via Ralph, W6IL, 1/2/95.

### ELECTION, 1996-97 TERM, THE 2, 4, 6, 8, 0 DISTRICTS.

Bob Bookwalter, W4NWF, #1750, has been nominated for District 4 Director by Bob McDow, W4KOG, #2679. Endorsed by Alex Ekblad, W2HI, #3153, and H. B. Fraser, KA4VXL #2719.

Ken Johnson, W6NKE, #2667, has been nominated for District 6 Director by Arch McGregor, W6AGZ, #2824. Endorsed by Marion Henson, W6NKR, #2870.

The five incumbent Directors are:

2nd District - Dave Winter, W2AUF 4th District - Bob Bookwalter, W4NWF 6th District - Ken Johnson, W6NKE 8th District - John Hoffer, W8CWY 10th District - Leo Meyerson, W0GFQ

Please send your district nomination or endorsement to HQ now. Each nominee must consent to the nomination and be endorsed by at least 3 members in good standing, residing in the same district. The nominating and endorsement period ends September 30, 1995. The polls close on November 30, 1995. Spark Gap Times will keep you informed of the nominations, endorsements and balloting.

### **OOTC CHAPTER 2**

Betty McGregor, wife of Arch McGregor, W6AGZ, passed away the 3rd week of January. Arch has been long time Secretary/Treasurer of OOTC Chapter 2 and Betty regularly attended our get-togethers. She will be missed by many.

KEN, W6NKE

### W4NWF "SK" NOT TRUE

I received a call from Art Kay, W5APX, lamenting the passing of Bob Bookwalter, W4NWF, our OOTC Director for the 4th district. It had been reported in the February QST, page 98 lower left corner. Since I had just received communication from Bob and it takes more than a month to get "SK's" in QST I doubted the report. Sure enough, a phone call to Bob confirmed the report untrue. Bob also got on the net to dispute the report first hand.

### W5APX HAS CLOSE CALL ON I-10

When on the phone with Art Kay, W5APX, regarding the false "SK" report of W4NWF, Art recounted his ordeal, a week before, on the 19 mile bridge going East out of Baton Rouge, La. He was travelling at the legal 55MPH when was hit from the rear by a trucker. Police say he was tossed over 250' down the bridge. The car was demolished but Art was relatively unscathed. Art still has nightmares about it. The trucker claimed that Art had stopped. It is not unreasonable to believe that at the speed some truckers travel Art might have seemed to have stopped if the trucker had been asleep at the wheel and woke up at the last moment!

BERT, W5JNK

### THE INTERNATIONAL OLD TIMERS NET

Has been in operation in Europe on 40 meters for more than 9 years, with Ben, DL1NP, Net Control. It runs every Tuesday morning.



JUERGEN "BEN" BENNOEHR - DL1NP

### THE 80, 40 & 20 METER NET SCHEDULE IS ON PAGE 19 THIS ISSUE

10 Years ago, German QCWA members met on Monday afternoons on 80 Meters and OOTC members on Tuesday mornings on 80 Meters. Most participants are both QCWA & OOTC members. This resulted in OOTC news published in "QCWA CHAPTER #106 AKTUELL", our German newspaper. Because many foreign members did not understand or speak German very well and 80 Meter propagation was poor, a 40 Meter net was needed.

First 40 Meter test was Oct. 1, 1985 with DL1NP calling "CQ OOTC" for the first time on 7075 kHz. To this day it is a challenge to come through that terrible QRM. From the beginning the 40 Meter net was carried on in English.

### International Old Timers Net - continued from page 7

Most of the pre-war amateurs have grown up with CW and still prefer it. The nets are open to everybody who likes to talk with Old Timers. Not all have been licensed so long ago, even though most of them have been operating more than 40 years ago, many of them in military or other services. They surely would be admitted to OOTC if they applied. Others are only near to us by their age as Stener, OZ1LOG, from Copenhagen. On January 21st 1986 our friend Gil, G0AOR, from Shotley Gate near Ipswitch joined the net and many of us know his voice.

It is a challenge to find a spot where the S-meter is less than S7 so please look for DL1NP between 7085 and 7100 kHz, the end of the band in Region 1. In the summer of 1994 the skip often was so long that only the North of United Kingdom was to be heard in Schleswig. So occasionally GM0FIQ, Paul from Kemnay near Aberdeen, or G2WQ, Archie from Oswestry (North of the border to Wales) took on to call and inform the Central European friends.

Many foreigners are frequently on the net: PAOUE, Wim from Noordwijk; OZ1IYQ, Ove from Langeskov on the island of Fyn; G4SFU, Don from Stockport near Manchester; G3HHR, Arthur from Lancaster; G3UGT, Jim from Wallsend; also ON4QN, Gilbert from Diepenbeek was very often on the net. Very true participants from Germany are DJ5ND, Willi from Delligsen near Hanover; DL7AC, Heinz, from Cologne and DL6GX, Axel from Alfeld. We regret that DL6MM, Heri from Aachen, is in trouble with his neighbours, so he hardly dares to transmit when they are home.

In the course of time there were about 200 European stations on the European Old Timers net. When the alteration of the OOTC Constitution and By-laws was imminent, just the English friends involved themselves in the discussion and we achieved at least an acceptable solution. Our continuous contacts let arise the wish to get to know each other personally. So we met with G4AOR and DL6MM in February 1990 on Mallorca when the almond trees were in full flower. Another meeting took place in Bichelbach, Tyrol, with G0AOR when we were on our way to Meran. In general all possibilities are used to meet each other, as Amateur Radio joins together far over the QSOs themselves. We regret that a meeting planned for spring 1995 in England will probably be cancelled, because our British friends have become older and distances inside UK seem to be short only on our maps of Europe.

But the European Old Timers Net will retain its international connecting effect without this meeting too. Isn't it amazing that mostly more foreign amateurs join the net than German? Difficulties seem to exist only by time differences, when we change to summer time or back to normal on different dates. The net normally starts at 10:30 local German time on CW and at 11:00 local German time on SSB. Therefore we have a time change with regard to UTC. In summer the net starts one hour earlier than in winter. This could be announced in our information paper in a bit more detail. Then it will no more happen that DL7DO called the net on CW in vain for some weeks, as he was one hour too early. He finally was successful only because DL1NP was tuning his transceiver on 40 just after having finished the 80m-round, before he had his breakfast.

### 0111111

### THE FIRST RADIO AMATEUR & THE REAL INVENTOR OF RADIO

NIKOLA TESLA

At the stroke of midnight when July 9 became July 10, 1856, Nikola Tesla was born. Within the first 26 years of his life he had conceived the rotating magnetic field principle. This discovery for mankind made possible the generation and distribution over long distances virtually unlimited electrical energy in the form of 60 cycles (Hertz) A. C.

The nature of this benevolent genius was such that he had no further interest in low frequency work, so he moved on to explore the world of high frequency phenomena. By 1890 he had conceived his famous "Tesla coil", still used as a major component in numerous electronic devices. By 1893 he had conceived, explained, and demonstrated the "Four-tuned circuits", making possible the theories of Maxwell and Hertz on the transmission of intelligence. The circuits were tuned to resonance with each other, two on the transmitting side and two on the receiving side using Geissler tube detector. His apparatus used the first antenna, as well as a ground connection, plus an antenna-ground circuit containing inductance and capacity. Also conceived was the adjustable inductance & capacity circuit for tuning. In 1893 he made the first "wireless" transmission before the National Electric Light Association in St. Louis, and it is this essential understanding that exists today in all modern radios. These principles served as the foundation for his U.S. patent that eventually had priority over Marconi's basic patents.

Most amateurs are unaware of what happened June 21, 1943: The United States Supreme Court made a landmark decision that essentially settled the long dispute between Marchese Guglielmo Marconi and Nikola Tesla. The court's decision on Case No. 369, identified as "Marconi Wireless Telegraph Company of America vs. United States," rendered invalid Marconi's basic patent No. 763,772 dated June 28, 1904. Tesla's patent No. 645,576, of March 20, 1900, and its subdivision patent for apparatus No. 649,621 dated May 15, 1900, had priority. The court also cited John Stone's patent No. 714,756 dated December 2, 1902, incorporating greater tuning selectivity, and Sir Oliver Lodge's patent No. 609,154 dated August 16, 1898, providing variable inductance tuning.

Our modern-day understanding of radio is very different from what people knew in those early days. Therefore, it is essential to state a definition of radio that encompasses only that which is indispensable as an embryonic commencement of our present day technology. Lack of understanding in this embryonic area is where most modern technologists and historians become confused, and understandably so. Nevertheless, without the conception of the radio "embryo," those basic elements underlying its fundamental principles, there would be no radio; and without a delimitative definition, there can be no definitive decision on who really invented those basic elements of our modern-day radio technology.

The following definition served the Supreme Court well because it was then able to render a just decision: "A radio communication system requires two tuned circuits each continued on page 10

### "TESLA" continued from page 9

at the transmitter and receiver, all four tuned to the same frequency." It is this "four-tuned circuit invention" that Tesla patented, published, and explained. This enabled the high court to give him priority for these necessary basic elements of "wireless," without which there would be no foundation for future advancements.

Naturally, many who followed Tesla made progressive refinements in the technology thus developing it to its present day state. Most of us tend to attribute the birth of radio to those early technologists who made the first refinements, but it was Tesla who had laid the foundation. Historians also give great praise, and correctly so, to such men as Maxwell and Hertz for their monumental work in wave theory. Puzzling to many, however, Tesla's greatest contributions, A.C. power distribution and fundamentals of radio, are either not known or challenged bitterly.

It is easy to understand why most people have a distorted understanding of just who was the real inventor of radio. First, it was the newspapers that hailed Marconi's first successful transatlantic radio transmission; then textbooks followed with their depiction of that exciting event. Both media sources had already raised the flag of victory for Marconi, so it is easy to understand Tesla's dismay—he had done much of the pioneering work.

A similar media blitz is responsible for Thomas Alva Edison becoming a familiar household name. In reality Mr. Edison did not create or develop our system of alternating current electricity. History of "The war of the Currents" shows how he fought its adoption bitterly, choosing instead to promote a system of direct current that had already been invented by others. In short, Mr. Edison's brief role in the electrical power industry was that of an entrepreneur who failed, rather than an inventor. It was Nikola Tesla's discovery of the rotating magnetic field principle in 1882 and patented in 1888 that gives us our modern day system of electrical power distribution.

In 1988-89, the writer's students commissioned a bust of Tesla to donate to a large museum (any large museum). After discovering that the Division of Electricity and Modern Physics section of the National Museum of American History made no recognition of Tesla we offered our bust. The curator promptly refused the offer stating that he had no use for it. Later we discovered that the curator was displaying a bust of Edison alongside Tesla's induction motor. He also displayed photographs of the Niagara Falls power plant next to one of its original generators. A large brass inscription plate listed Tesla's patents, but there was no reference to Tesla. In the middle of the display stood a life size replica of Thomas Edison with the caption, "while the Niagara AC plant was being built by Westinghouse, Edison was busy with other important things." The caption did not explain what these "other important things" were, nor why this was relevant to the Niagara A.C. power plant. Perhaps Mr. Edison was still busy catching stray dogs to electrocute at press conferences in a last ditch effort to defeat the spread of alternating current!

The <u>Smithonian Book of Invention</u> is a prodigious 3/4 inch thick book of America's greatest inventors and their inventions. Tesla's name does not appear anywhere in that publication. The writer wonders how such an august institution with all the

### "TESLA". continued from page 10

learned historians in their employ could possibly ignore Tesla's contributions in their chapters depicting the evolution of electric power and radio.

Further evidence of history gone amuck is seen in the Smithonian's publication, "The Beginning of the Electrical Age." The curator meticulously traces the history of electricity from Volta to Edison, naming 43 significant contributors, yet Nikola Tesla's name is missing. Instead, the curator shows pictures of the Niagara Falls Power project and readers are carefully guided into believing that this was the work of Edison. Yet it was Tesla's polyphase AC system that the power commission adopted and licenses had to be issued to use Tesla's patents. Money for this publication came from the Thomas Alva Edison Foundation. Perhaps this is why Mr. Edison's name and various pictures appear so prominently and Tesla's name is missing. History is indeed for sale at the Smithsonian, or so it appears.

Radio amateurs especially should take exception to the flagrant disregard for truth in history that exists in the Division of Electicity and Modern Physics section of the National Museum of American History, within the Smithsonian Institution. Why does the Smithsonian, and the general public as well, have such a biased view of electrical history? The answer is obvious.

Tesla's induction motor, using his rotating magnetic field principle, provides us our worldwide system of alternating current electricity. Few people realize the earthshaking importance of this discovery. Honored engineers have ranked it to the electrical equivalent of the wheel.

Niels Bohr in 1956 stated, "Tesla's most ingenious inventions and researches have been the fundamental for that development which so deeply influences our whole civilization."

Dr. W. H. Eccles in the PROCEEDINGS OF THE INSTITUTION OF ELECTRICAL ENGINEERS, stated, "Tesla was the greatest electrical inventor we have had on our roll of membership; in fact we might go as far as to say that he was the greatest inventor in the realm of electrical engineering."

John Stone in 1917 stated, "Among all those, the name of Nikola Tesla stands out most prominently. Tesla with his almost preternatural insight into alternating current phenomena that has enabled him some years before to revolutionize the art of electrical power transmission through the invention of the rotary field motor, knew how to make resonance serve, not merely the role of a microscope, to make visible the electric oscillations, as Hertz had done, but he made it serve the roll of a stereopticon... He did more to excite interest and create an intelligent understanding of these phenomena...than any one else...and it has been difficult to make any but unimportant improvements in the art of radio telegraphy without traveling, part of the way at least, along a trail blazed by this pioneer who, though eminently ingenious, practical and successful in apparatus he devised and constructed, was so far ahead of his time that the best of us then mistook him for a dreamer."

### "TESLA" continued from page 11

Lord Kelviń in 1896 stated, "Tesla has contributed more to electrical science than any man up to his time."

Tesla was recognized by his peers but forgotten by his successors, including much of the amateur community. We depend daily on his wireless creation and the power to make it work, yet the vast majority of our ranks still has a distorted idea of our real benefactor.

Tesla died January 7, 1943, alone in his hotel room at the Hotel New Yorker, surrounded by a world of technological progress he was instrumental in creating. Yet the only monument to his memory in our country is a statue at Niagara Falls, a gift from the former country of Yugoslavia. He is one of only two Americans honored by the International Electrotechnical Congress in Munich. In 1956, the unit of magnetic flux density in the MKS system was designated the <u>Tesla</u>. Thus, his name is alongside only fifteen others such as Volta, Faraday, Ohm, Watt, and Ampere. Joseph Henry is the only other American so honored.

For those who are old enough to remember, the Smithsonian Institution carried on a similar feud with the Wright Brothers that lasted 45 years. It was not until December 1948, after we had entered the jet age, that its officials finally relinquished their demand to honor Samuel P. Langley whose plane did not fly. He was Secretary of the Smithsonian in 1903 when the Wrights flew their plane at Kitty Hawk. Although there is no connection between the Wright Brother's debacle and the historical mendacity suffered by Tesla at the Smithsonian, there is an aspect of relevancy.

At best, the writer hopes to engender enough support from the amateur community to petition Smithsonian Institution officials to honor Tesla. Certainly there is overwhelming evidence that he has earned his place in history in our country's premier museum. At the very least, this issue might stimulate some lively discussions on the ham bands.

John W. Wagner, W8AHB, 3890 Tubbs Road, Ann Arbor, MI 48103. Compuserve address for E-mail: 75020,2454



### GEORGE W. ROBERTS, W1AVY, #128, 1899-1995

### FROM THE OOTC MEMBERSHIP RECORDS

"#128 ROGERS, George D., W1AVY. Handle "George." Occup: Rogers Electrical and Radio Shop, Appliances, TV, Radio, Sales and Service--also Ham Gear & Service. A real old timer who worked DX with a 1/4 Kw Clapp-Eastham, rotary spark, 4 wire flat top antenna, a BGF tuner and one step audio. Interesting excerpts from his log show entries of famous old hams including Vermilya, Reinartz (W1NP-Bowdoin), etc.--also famous old land stations. George would like to hear a recording of old spark signals that we heard in 1913-1914, NAM, WLC, KXN, NSD, WCI, KXP, ETC."

George D. Rogers, W1AVY, passed away January 28, 1995. My father's membership number was #128. This coming March 14th, 1995 he would have been 96 years of age. Over the many years, radio was his first love although he earned his living as a Master Electrician.

73 - George D. Rogers, Jr., W1WGN, 361 Brock Ave., New Bedford, MA 02744

### RICHARD R. "DICK" MURRAY, W5FBJ, #3145, 1913-1995

Richard R. Murray deceased 1-7-95. Faye Murray, 1085 East Lucas Dr., Beaumont, TX 77703

### ROY D. "MAZZ" MAZZAGATTI, N4OG, #3021, 1930-1994

My husband Roy D. Mazzagatti died unexpectedly on Nov. 11, 1994. Roy has been off the air since we were wiped out in Hurricane Andrew. He had planned to be back doing code by spring '95. Roy was very proud to be a member of your organization.

Cora Mazzagatti

Roy was an All-American tackle, a six-footer from Beaumont, TX. He became Lamar University's (Beaumont, TX) first All-American player in 1952. Drafted by the Green Bay Packers, he never made it out of training camp. His high school and college injuries caught up with him: Doctors declared he had suffered too many broken bones to play.

He liked to study everything from cooking to electrical engineering. He taught physics and computer science and rose to become chairman of the mathematics department at the Kendall campus of Miami-Dade Community College.

Mazzagatti got to enjoy a few months of retirement before he died in his sleep in his home at age 64. A big, brawny man who could discuss mathematical equations, ham radios and crystal punch bowls in the same breath. He was a Texas-born Renaissance Man who liked to wear bib overalls, collect antique tools and look after six dogs and 15 cats.

He had almost finished rebuilding the hurricane-ravaged home. As an electrical engineer, he rewired it himself.

In addition to his wife, Mazzagatti is survived by his daughter Dana, mother Kay and two sisters.

### RALPH CABANILLAS, JR, W6IL, #1206, 1910-1995

Ralph Cabanillas, Jr. W6IL, died January 28, 1995. The news has saddened the members of QCWA and OOTC. He served as interim Secretary of OOTC, keeping the club alive during the critical months after Ted Heithecker died. He has been a great help to me with the Silent Key list, proof reading and contributions to the Spark Gap Times. Hardly a day went by without a letter or post card from Ralph with items and suggestions for the SGT.

He was a tireless recruiter and had sponsored 38 members since January 1, 1993. I kept a 20 meter schedule with Ralph every Friday and talked to him the day before he died. Burial was at "Gates of Heaven" cemetery, Hawthorne, NY.

Ralph's niece, Gloria, sent the following letter: "You will never really know how much your phone call meant to us. It was a big consolation to know that you and Ralph spoke for over an hour the night before he died. And most importantly that he was in good spirits. His death was a shock to all of us and he surely will be missed. Always - Gloria & Gerry Jansse & Cathy Prado."

Bert - W5JNK, Secretary OOTC.

### Ralph's Autobiography

I was born Aug. 2, 1910 and grew up in the New York City area. I never married. From 1929 to 31, a serviceman for Bay Radio Co. in Brooklyn, received W2BNJ Aug. 1930. Joined Naval Reserve, promoted to Radioman 1st Class March 1934.

Took a job as freight checker March 1934 aboard the Grace Line "Santa Maria" N.Y. to Valparaiso, Chile ending as Jr. Assistant Purser in October 1934.

Permanent Active Duty as a Station Keeper at Naval Reserve Aviation Base, Floyd Bennett Field, RM2C. After 3 of us flew an amphibian JF-3 to Memphis, TN on Jan. 27, 1937 and helped U.S. Engineers patrol the Mississippi during the flood, I made Radioman 1st Class again.

While at Floyd Bennett Field NAS during WWII, I did lots of flying in OS2U-3's and J2F-5's patrolling the Ocean looking for German Submarines, and acting as protection for U.S. convoys leaving for Europe. After Warrant Officer class, ordered to NAS Honolulu Oct 1943 which was under construction so was temporarily assigned duty with the Radio Material Officer in the Navy Yard.

Jan. 1944 made Radio Material Officer NAS Honolulu. Promoted to Chief Radio Electrician June 1944. With the war over, returned to the States Oct. 1945 and lucky to be passenger on the CV-12, The Hornet, whose RMO turned out to be an old friend. I refused a permanent Commission in the Naval Reserve and resigned Aug. 1946 and went to work for my Dad until he sold the business.

I decided to try for work with Howard Hughes, whom I had helped, when he completed his flight around the World in 1938 starting and finishing at Floyd Bennett field. In May 1954 I visited the plant at Culver City and was immediately hired. It was great working at Hughes on all the state of the art projects and took early retirement after working 18 years.

I thought of retiring in Spain, where the family still has property on my mother's side, and a cousin. However, prices had doubled since I was there in 1970, then they had a revolution and things changed. I did enjoy being CT1HO, but decided to return to the good USA. I stopped by Norm, K6BA's place in the Hollywood Hills while I looked around for a house. I took his offer to live in the guest house and help on maintaining the property. That was 18 years ago.

### W2GHV's BIOGRAPHY WAS LEFT OUT OF THE JAN. ISSUE OF SGT IN ERROR

### GEORGE J. APFEL, W2GHV, #3279

Born 3/1/10, spouse Alice. Had home installation business 1926-29. Joined AT&T long lines 2/17/27 NYC. Into toll service equipment dept. Moved into overseas service 1928-29. Retired 1969. Started crystal research products 1937. Manufactured Xtal testing equipment. Wrote 11 Tech Manuals for Signal Corps regarding crystal testing equipment. Developed first ultra-sonic equipment 1938. Developed first wireless mike for Century Lighting Corp. 19--. Retired AT&T 1969. Patents on material counting and weighing equipment. Gave business to son-in-law 1970. Now run by grandson. Director RCA 1985 - present. Treasurer RCA 1980-85. Active QCWA and president local club. Past president Park Ridge Rotary Club 1984. Member board of education 1990-1993.

### WILLIAM D. "BILL" HOLDER, W6TNB, #3283

Born 10/3/16, spouse Dorothy. Spent 35 years with Douglas Aircraft, Supervisor of all testing (Engineering test) models C-124 thru C-133 and DC8 thru DC10. Presently Assistant Manager of W6RO aboard the Queen Mary. Previous call W8LTT 1934 to 1940

### IVAN C. WILKINSON, W3RMF, #3284

Born 8/28/24, spouse Julia, 2 harmonics. Retired GE electronics - close to 40 years. RAE club - QCWA #122. Army Medical T/5 1943 - 1945.

### NATHANIEL J. "NAT" HARRINGTON, KF2VL, #3285

Born 8/16/37, spouse Patricia M., 2 daughters. Previous calls K2DYB 1953, KB2JRT 1990. Worked as a TV broadcast technician at WKTV in Utica, NY from June 1956 to January 1982 when suffered a disabling back injury on the job. Was kept on staff for about 3 years after my injury. Also did some TV production work. Was active in CW/voice traffic handling in 50's and early 60's as K2DYB. Was surprised to receive the A-1 operators Club award in the 50's. Am avid traffic handler again now. Also like to work a little DX now and then, and enjoy VHF/UHF too.

Am now EC of Oneida and Madison counties, an OO, ORS, OBS and a V.E. with ARRL and W5YI. Also a registered instructor. Am on the board of local radio club and Public Service/Special Events Director. I like baseball and gardening. Also interested in health.

### LYLE B. QUINN, WOUS, #3286

Born 11/26/18, spouse Irene, 3 boys, 1 girl. Previous calls W9TQD 1935-46, W0TQD 1946-81. Signal Corps/Air corps T/Sgt August 1943-March 1946.

### continued from page 15, Lyle B. Quinn, W0US, #3286

Graduated Dorne College 1941. Radio Operator War Department message center 1941-42. Active duty as ground radar repairman in Pacific (Philippines & Japan) 1943-45.

Active in family business (Anheuser-Busch distributorship) from 1946 until retirement in 1986.

### JERRY L. AYERS, W9ET, #3287

Born 1/13/42, spouse Carol, 2 harmonics. Previous calls WN0UAW 1954, W0UAW 1954-1976, WB9RFK 1974-1976, W9ET 1976 - present. Father, George Ayers is W0FXY licensed since 1928. Daughter Misty is KA9JUP licensed in 1981 at age 11. Daughter Candy is NU9A first licensed in 1982 at age 10.

I have spent working life in broadcasting. Working in stations as Chief Engineer and working for broadcast equipment manufacturers including RCA, AMPEX and COMARK.

### **BLANCHE RANDLES, W4GXZ, #3288**

Spouse Wesley C. Randles - W4COW, 1 harmonic. First licensed W4GXZ in 1954 in Jacksonville, FL. Joined YLRL and St. Petersburg Amateur Radio Club that same year.

Charter member and 1st Secretary of Floridora YL's. Many years later after retirement became President of Floridora, YL's.

Moved to New England (K11ZT) in 1958. Joined Framingham Radio Club and took part in many field days.

Joined Womens Radio Operators of New England (WRONE) and later served as president for 2 years. Member of WRONE Convention Committee in 1960 when WRONE hosted the YLRL Convention.

YLRL Secretary, 1961 & 1962. Vice President 1963. President in 1964 and 1980, Served many terms on the Presidents Advisory Committee.

Joined QCWA in 1979. Co-founder of Yankee Chapter and of QCWW Chapter as well as several other Chapters in New England and in Florida. First President of QCWW Chapter. Charter member and past President, Vice President, Secretary and Treasurer of Pelican Chapter in St. Petersburg, Fl. On several QCWA Convention Committees and Co-Chairman of 1993 Convention in St. Petersburg, FL.

Served QCWA as Taping Coordinator from the inception of the program in 1987 through present.

### DUBY D. "DUBE" TODD, AB5AP, #3289

Born 7/22/34, spouse Lucy, 3 harmonics. Previous calls KN4DWW 1954, N5PDK 1988. USAF 1955 -1975 retired, Major. Test equip mil tech - Western Electric Co. NC. A fellow technician elmered me to novice ticket. First actual radio communication occurred during artillery communication school at Ft.Sill, OK in spring of '54. Joined Air Force in 1955 & dropped out of amateur radio. Retired in 1975 to begin 3rd career with Texas Instruments, Inc. There I worked as a mfg. supervisor, engineering tech, engineer and marketing product mgr. in calculator division, until recent retirement.

Now doing part-time teaching at local community college. Station is Kenwood TS820S/VFO/SM220, with SB200. Work mostly CW but also like RTTY & packet. Active on 2 meters (voice.) Collect and repair old radios, including ham gear. Currently getting Gonset "Gold Dust Twins" (G66 Rx, G77 Tx) ready to run - on AM! Other hobbies: Golf, bowling and flying when I can afford it. Hi.

Member QCWA, Air Force Flyers Club, ARMS Christian Net. WAS - CW.

### WALTER E. PRYKE, KB9ETO, #3290

Born 1/21/22, spouse Geneieve E. 4 harmonics. Previous call WN9IBR. USNR served October 1942 to January 1946, RM 3/C. Trained at Great Lakes Naval training center. CO 1513 Camp Green Bay. After boot camp was assigned for Radio training at RCA Radio Institute NY City. Completed training April 9, 1943. Assigned to Radio Compool Norton Heights, CN. After 4 weeks was assigned to ship.

Served in Atlantic and Pacific theatres. After discharge, started construction business and continued until retirement.

### HARRY G. HOUGH, W6HZM, #3291

Born 1/31/25. Previous calls WN3BVI, W3BVI, W4AIO. U. S.Army 1943-1946.

### **JOHN F. W. MINKE, III, N6JM, #3292**

Born 4/11/33, spouse Marilou (Mari) WN6IZH(1963) 4 harmonics. Previous calls: K2IKS 1954-59, WA6JDT 1959-1977, W6KYA 1969-82. KY6ITU short time in 1975 or 1976. Radio operator at Fort Dix NJ January 1954 to May 1955. Licensed in June 1954 as result of working in MARS station AA2KWO and meeting radio amateurs.

Learned CW in radio school at Ft. Dix. Returned to Clarkson College (now University) graduated June 1959 with B.E.E. First employed Hazeltine Corp as Field Engineer at McClelland AFB (California) to May 1964. Now in electrical design of power plants for California Department of Water resources since May 1964 (hope to retire next year.) DX editor of World Radio since 1978. ARRL SCM for Sacramento Valley 1965 -1973. Extra class license since 1968.

### STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS YEAR ENDING 12/31/94

RECEIPTS:		1994
DUES:		
ONE YEAR	\$	4,069
TWO YEARS		1,951
THREE YEARS		750
FIVE YEARS		250
		7,020
NEW MEMBER FEES		570
GIFTS		118
STAMPS, PATCHES, PINS		135
INTEREST		465
ADVERTISING REFUND		85
SUBSCRIPTIONS TO SGT		15
		8,408
DISBURSEMENTS:		
OFFICE SUPPLIES		2,036
CLERICAL SERVICES		1,506
PINS PURCHASED		321
SPARK GAP TIMES:		
PRINTING		1,027
POSTAGE		951
TELEPHONE		263
OFFICE POSTAGE		471
BANK CHARGES-SUPPLIES		62
MEMBERSHIP		10
		6,647
INCOME BEFORE NONRECURRING EXPENSES		1,761
NONRECURRING COMPUTER EXPENSES:		
PURCHASE FROM ESTATE		1,400
PACKING, SHIPPING TO CALIFORNIA		384
PACKING, SHIPPING TO TEXAS		380
CONSULTING FEES		350
		2,514
EXCESS OF EXPENSES OVER INCOME		-753
CASH BALANCE - 12/31/93		19,966
TRANSFER TO STUDENT EDUCATIONAL ASSISTANCE FUND		-1,957
CASH BALANCE - 12/31/94	\$	17,256
STUDENT EDUCATIONAL ASSISTANCE FUND:		
CONTRIBUTIONS PRIOR TO 1994		1,840
DONATIONS DURING 1994		117
PRINCIPAL BALANCE - 12/31/94	-	1,957
INTEREST EARNED SINCE 11/8/94		14
KEMPER MONEY MARKET BALANCE - 12/31/9	\$	1,971

### MARCONI DAY SPECIAL EVENT STATIONS - APRIL 22 1995

INTERNATIONAL MARCONI DAY (IMD) - APRIL 22, 1995, 0000Z to 2400Z. in celebration of Marconi's birthday the Cornish R.A.C. will sponsor over 25 Special Event Stations representing the locations of early Marconi experiments and transmitting stations including: CT1TGM, DA0IMD, EI2IMD, EI4IMD, GB0IMD, GB1IMD, GB2GM, GB2IMD, GB2MDI, GB2MID, GB2SFL, GB4IMD, GB4MDI, GB4MDI, IY0GA, IY0ORP, IY0TCI, IY1TTM, IY4FGM, K1VV/IMD, KK6H/IMD, VE1IMD, V01IMD & ZS6IMD. Certificate for QSO 12, contact G4USB@GB4AKE.#44.GBR.EU or the Cornish R.A.C., Box 100, Truro TR1 1RX, Cornwall, England for information.

MARCONI RADIO CLUB, c/o Bob "Whitey" Doherty K1VV@KA1RCI.RI.USA.NA 153 County St., Lakeville, MA 02347

### OOTC ON THE AIR MEETINGS

European: Tuesdays CW 7:00 UTC 3535 kHz - NCS HB9T

SSB 7:30 UTC 3632 kHz - NCS DL3QY CW 10:30 UTC 7029 kHz - NCS - DL1NP SSB11:00 UTC 7090 kHz - NCS - DL1NP SSB16:00 UTC 14280 kHz - NCS - DL1PH

CW 17:30 UTC 3553 kHz - NCS - DK9LG

Florida Chapter: Saturday, 0800 Local Time, 3955 kHz, with W4NWF as NCS

Northeastern: Thursday, 1400 local, 7230 kHz, with W2EEQ as NCS

Southern Cal: Tuesday, 4:30 PM local on 3917 kHz with W6NKE as NCS National CW: Friday, 2:00 PM Eastern on 14050 kHz with W8CCN as NCS

7: Friday, 2:00 PM Eastern on 14050 kHz with W8CCN as NCS >>>> (NOTE THE TIME CHANGE) <> < <

### HELP! HELP! HELP!

Ken Johnson, W6NKE, 6th District Director would greatly appreciate hearing from OOTC members in both the Bay and Sacramento areas, or anyone else in California, who would be interested in starting a weekly, OOTC ssb net. Please contact him at 1813 Moreno Dr, Simi Valley, CA 90363-3159, Phone (805) 526-8909

# THE FOLLOWING MEMBERS HAVE CONTRIBUTED TO THE SPARKS EDUCATIONAL ASSISTANCE FUND

W1EZR, W1UQ, DL1ZQ, K2IC, W2JQS, W2MJP, W2WSS, AA3BE, W3CGZ, KP4BJ, KP4BJ, K4FVI, W4GOV, W4NWF, W4WNY, W4YE, W5EJ(SK), W5IRP, W5KL, W5RJK, WB5RLS, K5TQN, WW5U, W5UMC, W6DIS, W6DIX, W6EKM, W6FA, N6IE, KH6IHY, W6IL(SK), W6ISQ, W6MFC, K6QS, K6VU, W6ZZN, KL7AF, W7GEY, W7LLS, DL7PH, W8OVO, W9IH, KB9IKO, W9MOL, W9NZF, WB9UAD, WB9UAE, KE0KI, W0LDF, W0RLS, W0RSW.

Many of our members have sent interesting articles which have not yet been published due to space limitations. We hope to publish them as soon as possible.

### THE PIPELINE

BY BILL MILLER, K2GCE 217 PORTERFIELD PL. FREEPORT, NY 11520

The other night while relaxing in front of the boob tube I received a phone call from a fellow ham with a radiogram for me that was picked up on one of the traffic nets. It was a happy birthday greeting. That got me to thinking. With every issue of SGT there is a birthday list of all the members for the next two or three months. It would be worthwhile if some of us sent greetings to our friends that appear on that list by way of the traffic nets. A trip through the Section News in QST or a note to your Section Manager will bring the info you need. Might also check with your local radio club. Make someone happy and it will make you feel good as well.

I recently received a letter from Charlie Krause, N7ESJ, and although he is still in a nursing home in South Carolina, he is feeling great after his hip operation of some months back. He hopes to be leaving after the first of the year. I will pass any info I can to you. His address is still: Charles P. Krause, N7ESJ, c/o Mary E. Miller, 719 Cypress Drive, Surfside Beach, SC 29587.

Congratulations: To Jack Kelleher, W4ZC, new President of the Society of Wireless Pioneers; - Leo Meyerson, W0GFQ, inducted in the QCWA Hall of Fame; - Bill Beasley, W6CDO, member ARRL for 60 years; - Steve Cerwin, K6OJO, member ARRL for 50 years.

Received a letter from Bill Deily, KK4ST. He is enjoying his retirement with sailing, bike riding and square dancing. Nothing like keeping young, Bill. A letter from Fred Linn, W9NZF, who returned from a 3200 mile tour of the East Coast including a stop off at the Cryptology Museum at Ft. George Meade. It must have been a very interesting visit for you, Fred, since you had been in cryptology during WW II.

### 73, Bill

(Bill sent the article from Fred Linn, W9NZF, which was in the January '95 SGT.) (Your editor apologizes for leaving this "Pipeline" out of the January '95 SGT)

I am printing the birthday's of all members that records show are not "SK". Some of you are sending birthday greetings to them and this has shown up two members who are now "SK". The widow of KA6NPV who was SK in 1993 was displeased. I believe the good we do outweighs the bad and we should not be discouraged.

A subscription to Spark Gap Times is available to anyone for \$10 a year. If you know of anyone who would enjoy SGT, mention it to them. A gift subscription is a good idea.

If you know of any old timer who does not have a amateur license today but is qualified to join OOTC, An "Associate Membership" is available. (By-Laws Article 1, Section 5)

Joe Adams, KC7DAA, the son of James A. "Monty" Adams reported SK on page 22, has requested and will receive the remainder of his father's SGT's. He has enjoyed SGT when he visited his father. Joe says OOTC will have a couple of new members in a few years.

I have received two inquiries about OOTC tee shirts. If you would be interested, please let me know so can can judge the demand and possibly make them available.

Secretary, Bert Wells, W5JNK

ANNOUNCING THE RALPH CABANILLAS MEMORIAL MEMBERSHIP DRIVE, FROM APRIL 1 TO DECEMBER 15 1995.

1ST PRIZE \$50, 2ND PRIZE \$25 FOR THE TWO HIGHEST NUMBERS OF NEW MEMBERS, DETERMINED BY THE SECRETARY FROM THE "SPONSOR" ON THE APPLICATIONS RECEIVED, A N D

EACH NEW MEMBER'S SPONSOR WILL BE PLACED IN A BOWL AND FIVE PRIZES OF "ONE YEARS DUES" WILL BE DRAWN, A N D

SPONSOR TWO OR MORE NEW MEMBERS AND RECEIVE OOTC PERSONALIZED STATIONERY AND RETURN ADDRESS LABELS WITH THE OOTC LOGO.

AND

EVERY MEMBER WHO SPONSORS AT LEAST ONE NEW MEMBER WILL BE HONORED IN THE SPARK GAP TIMES.

USE THE BACK COVER OF THIS SGT OR ASK HEADQUARTERS FOR A SUPPLY OF MEMBER APPLICATIONS.

THIS IS YOUR CHANCE TO PUT THE SECRETARY TO WORK ON A MOUNTAIN OF NEW MEMBER APPLICATIONS!

THE PROGRESS OF THE DRIVE WILL BE DETAILED IN THE JULY AND OCTOBER ISSUES OF SPARK GAP TIMES.

WINNERS WILL BE ANNOUNCED IN THE JANUARY SGT.

### WE HONOR THE FOLLOWING SPONSORS

BOB BOOKWALTER, W4NWF - OVER 60 MEMBERS IN 6 YEARS

NEW MEMBERS FROM JANUARY 1 1993 TO FEBRUARY 10 1995

RALPH CABANILLAS, W6IL(SK)	38	ONE EACH
GERHARDT HOFFMAN, DL7PH	10	K1POM, W2EEQ,
BOB BOOKWALTER, W4NWF	7	K2GCE, W2OJW,
DUNCAN KREAMER, WIGAY	6	KE2QM, W3HHC,
G. PAUL GERBRACHT, W3QPP	6	W3TFA, W5JMN,
KEN JOHNSON, W6NKE	6	K5KR, W5MD,
HARRY MOORE, W2JQS	5	K5MMP, KA5TUF,
WM. STRAUCH, W5VBX	4	AC6BO, W6EFB
BOB MCDOW, W4KOG	3	W6HVR, N6GP,
LELAND SMITH, W5KL	3	W6JOJ, W6SMD,
WM. HENNEBERRY, KN2X	2	W6TRP, W6UUC,
ALF CHANDLER, VK3LC	2	W7ER, W8CCN,
WALTER BRINK, W3WPY	2	W9ET, W9INP,
ART KAY, W5APX	2	W9MOL, W0BWJ,
JEROME MASLOWSKI, KS8B	2	WORAL, WORN.

## OOTC MEMBERS REPORTED AS "SILENT KEY"

REPORTED BY: 1923-1995 SM0HVL #2989 SK:01/22/95 SM5FH, KNUT ALMROTH, CARL-OSKAR BIESE AND OTHERS 1899-1995 W1AVY #128 SK:01/28/95 W1WGN, GEORGE ROGERS, GEORGE D. ROGERS 1930-1994 N4OG #3021 SK:11/11/94 MRS. CORA MAZZAGATTI ROY D. MAZZAGATTI 1912-1994 W5ALS #2533 SK:11/12/94 ANNIE LEE ELKINS CLAUDE C. "BILL" ELKINS 1913-1995 W5FBJ #3145 SK:01/07/95 FAYE MURRAY RICHARD R. "DICK" MURRAY 1907-1995 W5GOO #1175 SK:01/13/95 W5CJZ, BARNEY MOFFATT LESLIE A. "LES" EDMONDS 1921-1995 JAMES A. "MONTY" ADAMS W5RJK #2917 SK:02/27/95 JOE ADAMS, KC7DAA(SON) 1910-1995 RALPH CABANILLAS, IR. W6IL #1206 SK:01/25/95 K6BA, NORMAN HENKEL 1902-1994 1 194 ADREAN SUNDEEN'S SON. ADREAN SUNDEEN W6MS #1624 SK: 1921-1993 IVAN G. PETERSEN KA6NPV #2821 SK: 1 193 SPOUSE, VIA K6UYK TED SHARP 1904-1994 W7ABD #2061 SK:12/22/94 LUCY PECKHAM, GEORGE FLINT PECKHAM DAUGHTER GEORGE'S MOTHER WAS W7AGT. HIS BEST FRIENDS, NOW SK, WERE W5RG & KL7MF #484.

The Old Old Timers pause with regret and sorrow at the passing of these, our friends and Associates who have become Silent Keys. Our condolences to their families and personal friends. Date of passing, when shown is best information available. If errors exist please notify Headquarters to make correction.

### OOTC DIRECTORS

1st District-Duncan Kreamer, W1GAY (1783) PO Box 637, Vineyard Haven, MA 02568 PH: 508-693-1167 2nd District-David W. Winter, W2AUF (1866) 84-26 87th St. Woodhaven, NY 11421-1301 PH: 718-849-8379 3rd District-G. Paul Gerbracht, W3QPP (2850) 2114 W. 29th St. Erie, PA 16508-1066 PH: 814-864-2433 4th District-Robert L. Bookwalter, W4NWF (1750) 728 Valencia Rd. Venice, FL 34285-2141 PH: 813-485-7928 5th District-Leland W. Smith, W5KL (1214) 10 Hawthorn Dr. Harrison, AR 72601-2302 PH: 501-741-0473 6th District-Kenton A. Johnson, W6NKE (2667) 1813 Moreno Dr. Simi Valley, CA 93063-3159 PH: 805-526-8909 7th District-John Trent, KL7DG (2586) 1700 E. Tudor Rd. Anchorage, AK 99507-1062 PH: 907-563-6297 8th District-John E. Hoffer, W8CWY (1399) RFD2, Box165, Wellsburg, WV 26070 9th District-Lee Knirko, W9MOL (2914) Office-11 S. LaSalle St. #2100, Chicago, IL 60603-1302 Home-833 Park Plaine, Park Ridge, IL 60068-2223

PH: Office-312-782-5210. Home-708-823-1862. EMAIL - Compuserve 71361, 3005

69911 Via Del Sur, Cathedral City, CA 92234-1716 PH: (Omaha, NE)-402-392-1708 (Cathedral City, CA)-619-321-1138

10th District-Leo I Meyerson, W0GFQ (0707) 1210 N. 97th Ct., Omaha, NE 68114

Vol. 32,	Nr. 2,	Page 23		SPA	RK C	AP T	IMES APR. 1995
MEMBER BIRTHDAYS IN APRIL, MAY & JUNE CORRECTIONS							
1-Apr	15-Apr	26-Apr	10-May	23-May	6-Jun	19-Jun	THE 'PIPELINE" FOR JAN. SGT WAS PROOF
KT20	W2HD	WIBML	WIAYI	W2TLC	W2VLH	WIRGH	READ AND THEN LATER CLOBBERED. IT IS IN
DL3SA	W6CDO	WILN	KC1HV	K3AU	W3MJO	W3KW	THIS ISSUE.
KC4PZO	W6GG	W3TI	WIJUI	W4IYT	KB5LKG		
W4UIO	WOSH	AA6DI W0LOJ	W4JT W6JU	W4PBN W8BHT	7-Jun	K4TM KS8B	I SKIPPED OVER NEW MEMBER GEORGE APFEL. #3279 IN THE JAN SGT. IT IS IN THIS ISSUE.
2-Apr	16-Apr		WB6VPY	WODILI	W2ND	KOMG	***
W2WSE	W7ADT	27-Apr	W DO VII	24-May	W8QON	ROMO	ON PAGE 5 NOV 1994 ISSUE, UNDER THE OOTC
K6OJ	WORN	VU2MD	11-May	WIPU		20-Jun	OPTIMIST CLUB-1997, I HAD A TYPO ERROR.
DF7IL	1	W3PN	W6DIX	W6FQ	8-Jun	WB2CEB	BETWEEN W8TWB & W9DTL, "W6IH" SHOULD
	17-Apr	KB7QG	W6GED	W6HDT	W4NXE	W6ERM	HAVE READ "W9IH."
3-Apr	K4FQJ	W9REC	AA6LY		K5EAP	AH6NB	***
DLIYB	нв9Т		DL9KJ	25-May	SM5FH	W7AAW	WALTER BUCH, DL9KA, BIRTHDAY OMITTED
W6NPN	W0ELA	28-Apr		W3BTR		KB7RFE	FROM JANUARY SGT PAGE 7. "13-MARCH".
DL7GB		WA2FSR		W6QLO	9-Jun	W9CV	TRANSLATION ERROR, 13-MAERZ ENTERED
KG0LU	18-Apr	VE2IJ	W3GY		W3BYI	WOOX	INCORRECTLY AS 13-MAY.
		WA6YEA	W4ZJV	26-May	W3YMB	WOQIK	***
4-Apr	GONQZ	KD8WP	W7GB	WIPL	W6INH	21 7	SGT SIZE CHANGE
W3GSI	10 4	20 4	12 May	K2KAD KC2PS	DL6QZ	KD4EZF	THE SGT SIZE IS NOW 8 1/2" X 5" & 24 PAGES.
W4WKQ W5BQE	19-Apr K4FZ	29-Apr BV2A	13-May KN2X	DL7CY	10-Jun	K5RB	PREVIOUS SIZE WAS 7 3/8" X 4 3/4 & 28 PAGES.
N7DGZ	DL6VL	DL6TL	KINZA	DEICI	WA2VQV		WEIGHT IS STILL UNDER AN OUNCE, LESS
K8GRO	W8WNK	DLUIL	14-May	27-May	W4MLQ		WASTED PAPER, SAVES 14% PRINTING COST.
ROOKO	W9OUW	30-Apr	W6BF	XEIAX	WSQU	WIUQ	***
5-Apr	W9US	PY2NH	W8FWQ	KI40N	W9KPC	WIZOC	OOTC OPTIMIST CLUB
WIGUP		W3QER		K6CD		WI3U	
OE9SLH	20-Apr	W6HVR	15-May		11-Jun	W4JMD	THESE MEMBERS ARE OPTIMISTS. INDEED,
	W2NBT	W6SPQ	WILZW	28-May	K5MMP	1	THEY MAY EVEN BUY GREEN BANANAS!
6-Apr	K4HYY	AB6TB	DL1VU	W3HHC	KN6PR	25-Jun	
AB5LF		W9PW	N5AD	W50GZ	W9DJJ	WZ3P	THE FOLLOWING MEMBERS HAVE PAID DUES:
W8SZ	21-Apr		W6EHM	W8SK	10.1	AB6CF	INTO THE VEAR 1007
	WIPRT	1-May	W7GEY	W9SG	12-Jun	W7HDT	INTO THE YEAR 1997 W1EXZ W3BY W4PHL W6DIS WV8B
7-Apr	K6SS	KIUIL	KE0KI W0YCY	SMOTRT	WILHY WB4FRO	AA0AE	W1GJV W3CGZ WA4QJE W6GED W8BIF
W2BGN W3HNY	W6ZRZ K6ZUO	W8FDG W0IZV	WOICI	29-May	W4IWV	26-Jun	WIGUP W3DCR WA4SLF K6HV W8TWB
W6ABR	KOZOO	WOLLV	16-May	W5DHE	NG5R	JAILKJ	W1MGP WA3EXX W4UKA W6JTA W8VLD
WOADK	22-Apr	2-May	K2SN	AA6J	W5UBU	KB2YR	W1PB N3HWA W4YE DL6KP W9DTL
8-Apr	WILM	WISZJ	N4ITM		WOUCE	K4TF	W1PCD W3NMK K5BLV W6MCV W9IH
W9EBY	DJ3BE	W3EVW	N6CX	30-May		W8BCH	DL1YB W3OOJ W5CJE W6NPN HB9T
	WA3EXX	K4MR	DL6MM	WORAL	13-Jun		SP2DX VK3QY W5EXI W6PYV KF0E
9-Apr	KA3KUA		W60NK		N2JAV	27-Jun	W2ELB W3QYL W5FOZ W6VIF W0RAL
W3DB	N40G	3-May	N8DR	31-May	W30NE		AE2L W3YMB KB5LKG N6WR W0RLS
DL3QY	W6SXW	HA8CF	W8KOX		W3YOZ		W2OJW K4BPJ W5RQH W6YAN W0RSW N2PLE N4FL KA5TUF WA6YEA SM0TRT
W6ZNI	W6VH		WA8LAY		W5LDH	W5III K6JH	N2PLE N4FL KASTUF WA6YEA SM0TRT W2RFY AB4FQ W5UP W6ZZN W0US
10.4	N9CJI	4-May	18-May	W6EKM	W6DOB W6SM	KB6V	W2VW KD4IV N6ATY KL7AF
10-Apr		W4RTE		WILVE	DL7BZ		
OZ1IYQ K2IHD	23-Apr	WOILE	K40V	1-Jun		WB9UAE	
W4AUP	KC2CB	5-May	19-May	VK3LC	1,022		
W8LS	G2WQ	W8BIF		KD4ZWG	14-Jun	28-Jun	INTO THE YEAR 1998
	KE4RY			W5APX	WIGAA	W4QDM	W1EED W1PEX K5ABD W6MIG W9UEM
11-Apr	K6KP	6-May	20-May	K6FO	1.	W4VS	WK1H W3TFA WA5ZFQ W6NKE W0YCY
N6JM	W9NSE	DLISF	WIBGW	W7YU	15-Jun	W4VZ	W1LA N4FG KH6HME W9MOL
W6QEU		W4FOA			W6BOX		INTO THE ATEAN 1999
KL7AVX	1	W5UGI	and the second	2-Jun	100	W9YWE	
DJOMV	24-Apr	W6LQ.	W8AHB	W3TFA		20 1	W2AUF WI3U N5PEN KC7DAA VK3LC W4GOV W6ATC N8DR
10.1	WIDMH		21.15	W6NSK W8LAX		29-Jun W2AUF	
12-Apr	WHQU K4HDV	7-May WOEFR	W1MB	W8LAX W9QBJ	W4PHL		
WILCA K5ABD	W4IKU	WOEFK	KF2JJ	Wadra		WB4CHB	
K7MD	NC5K	8-May	W2OEQ	3-Jun	W5NJ	W Bacille	WIGAY WIUQ W3QPP W5APX W5IRP
KAND	N7GMK	-		WIGAY		30-Jun	WIRGH DJ2QX K4GVG GM5BDO W5KL
13-Apr	W8CWY		VK6KK	WIHH	W8BDR	Account to the second	SVOAA
WIALE		W4NEX		K2QPR		W2LAE	INTO THE YEAR 2001
NS3W	25-Apr	WD40CV	22-May	W2ZZ	17-Jun	NS5M	W50VH
K4SSW	W2RLY		NVID	W6TJO	WIICP	W5VFS	W8MFP
	W40MG	9-May	W2QBR	K8NUJ	K3RI		
14-Apr	W4YE	KL7AM		W8SFA	N6TKL	1 -1 -	21ST CENTURY CLUB
W2LN	K6BTO	W8CAT				1	IF YOU HAVE WONDERED WHAT HAPPENED
GM5BD0			WK7A	4-Jun	18-Jun		TO THE 21ST CENTURY CLUB THAT TED, WSEJ, STARTED, I HOPE TO START WORK ON IT.
W6ASN			KE7K	WB4DJN	1	1 1 1 1	THOSE WHO HAVE SENT REQUESTS MAY
	WOLV		K7QV	N4SU K7EK	W6MI		BE RECEIVING SOMETHING SOON. I WILL
	12 - 12			W8CC			LET YOU KNOW IF I HAVE MADE PROGRESS
	12 -11 -	1	1, 300	Woll			IN THE NEXT ISSUE OF SPARK GAP TIMES.
		1 11 1					BERT, W5JNK
	-						The second second second

### OLD OLD TIMER'S CLUB



3191 DARVANY DR. DALLAS, TX 75220-1611 214-352-4743

### MEMBERSHIP APPLICATION FORM NATIONAL & INTERNATIONAL EFFECTIVE JULY 1, 1994

WEITH	
Joined	
Expdate	
AmtRecd	
Ledger	

Name	CallClass
AddressStreet	City State/Province 5+4(US)zipcode
Date of first two-way communication_	Nickname/Handle
Nature of first contact: Amateur	Commercial Military
Amateur Call First Used	Date of First amateur License
Date of Birth  Month Day Year	Birthplace
COLLEGE	AEMBEDOLIID EEFO

### SCHEDOLL OF MILMBERSHIF FELS

OOTC New member Enrollment Fee, includes pin \$5.00
OOTC Annual Dues (All members)------\$10.00

### INITIAL MINIMUM ENROLLMENT. TOTAL \$15.00

\* Annual dues are welcomed in any multiple of \$10. All funds payable at a U.S. Bank INTERNATIONAL MEMBERS: Please remit with 1) American Express money order or, 2) Check drawn on a U.S. Bank, if a branch of a U.S. bank accessable, or 3) other bank check and add \$10. collection fee which is charged by bank here or 4) U.S. Currency.

### **ELIGIBILITY REQUIREMENTS**

One must have had two-way communication at least 40 years previous to filing an OOTC membership application. OOTC recognizes your first two-way communication whether through amateur, commercial or military operation. Where possible please provide proof of such operation. Full membership in OOTC requires that you have a valid amateur station or operator license at the time of application.

OOTC wishes to have extended information about each member, his/her acivities and background. Such information becomes a permanent and important part of your record as a member of OOTC, making it possible for us to write of your life work and experiences. We will greatly appreciate a small photograph (2" x 2" is fine.)

If you use this form to apply for OOTC membership, please enclose a separate piece of paper and include the following:

OTHER CALLS AND DATES

NAME OF SPOUSE AND CALL, IF ANY

NUMBER OF CHILDREN

MILITARY SERVICE FROM\_\_\_\_\_ TO\_\_\_ & RANK
HIGHLIGHTS OF YOUR CAREER - BACKGROUND STORY
WITH PERMISSION TO PUBLISH IN SPARK GAP TIMES

Your	Signature		
Sponso	ored by	"Sponsor's	Call